



Center for Health Statistics



**October
2005**

**DATA
SUMMARY**
No. DS05-10002

This Data Summary is one of a series of leading cause of death reports.

Highlights

- In 2003 CLRD ranked fourth in the leading causes of death in California and the United States.
- In 2003 nearly 96 percent of all CLRD deaths occurred among people aged 55 and older.
- The crude CLRD death rate for 2003 of 37.2 was similar to the rate of 37.5 in 2000.
- The age-adjusted CLRD death rate of 41.1 for 2003 was down 6.6 percent from the 2000 rate of 44.0.
- Yuba County had the highest reliable CLRD age-adjusted death rate and Santa Clara County had the lowest rate.

Chronic Lower Respiratory Disease Deaths California, 2000-2003

By Sally Jew-Lochman

Introduction

Chronic lower respiratory disease (CLRD) continued to rank fourth in the leading causes of death in California and the United States (U.S.) in 2003.^{1, 2} CLRD is a group of diseases that cause airflow blockage and breathing-related problems. It includes emphysema, chronic bronchitis, and asthma. In the U.S., tobacco use is a key factor in the development and progression of CLRD, but in asthma, exposure to air pollutants in the home and workplace, genetic factors, and respiratory infections also play a role.³

The U.S. Public Health Service established a number of health objectives as part of the Healthy People 2010 (HP 2010) Initiative that relate to respiratory diseases such as chronic obstructive pulmonary disease (COPD) and asthma.⁴ COPD includes chronic bronchitis and emphysema and is often addressed separately from asthma because its etiology and treatment differs.⁵ Several objectives were established to reduce deaths from COPD and asthma for specific age groups. This report does not address progress toward meeting the HP 2010 objectives because of the differences in the definitions of COPD and CLRD.

This report presents data on CLRD deaths for 2000 to 2003 with the focus on 2003. It provides analyses of crude and age-adjusted death rates for California residents by sex, age, race/ethnicity, and county. The definition of CLRD used in this report is based on the International Classification of Diseases, Tenth Revision (ICD-10) codes J40-J47 as currently presented in National Center for Health Statistics (NCHS) reports.²

¹State of California, Department of Health Services. Death Records, 2003.

²Hoyert DL, Kung HC, Smith BL. Deaths: Preliminary Data for 2003. National Vital Statistics Reports; Vol. 53, No. 15. Hyattsville, Maryland. National Center for Health Statistics. February 28, 2005.

³Centers for Disease Control and Prevention. Facts About Chronic Obstructive Pulmonary Disease (COPD). National Center for Environmental Health. URL: <http://www.cdc.gov/nceh/airpollution/copddefault.htm>. Accessed August 5, 2005.

⁴United States Department of Health and Human Services. Healthy People 2010 Objectives (Second Edition, in Two Volumes). Washington, D.C., January 2001.

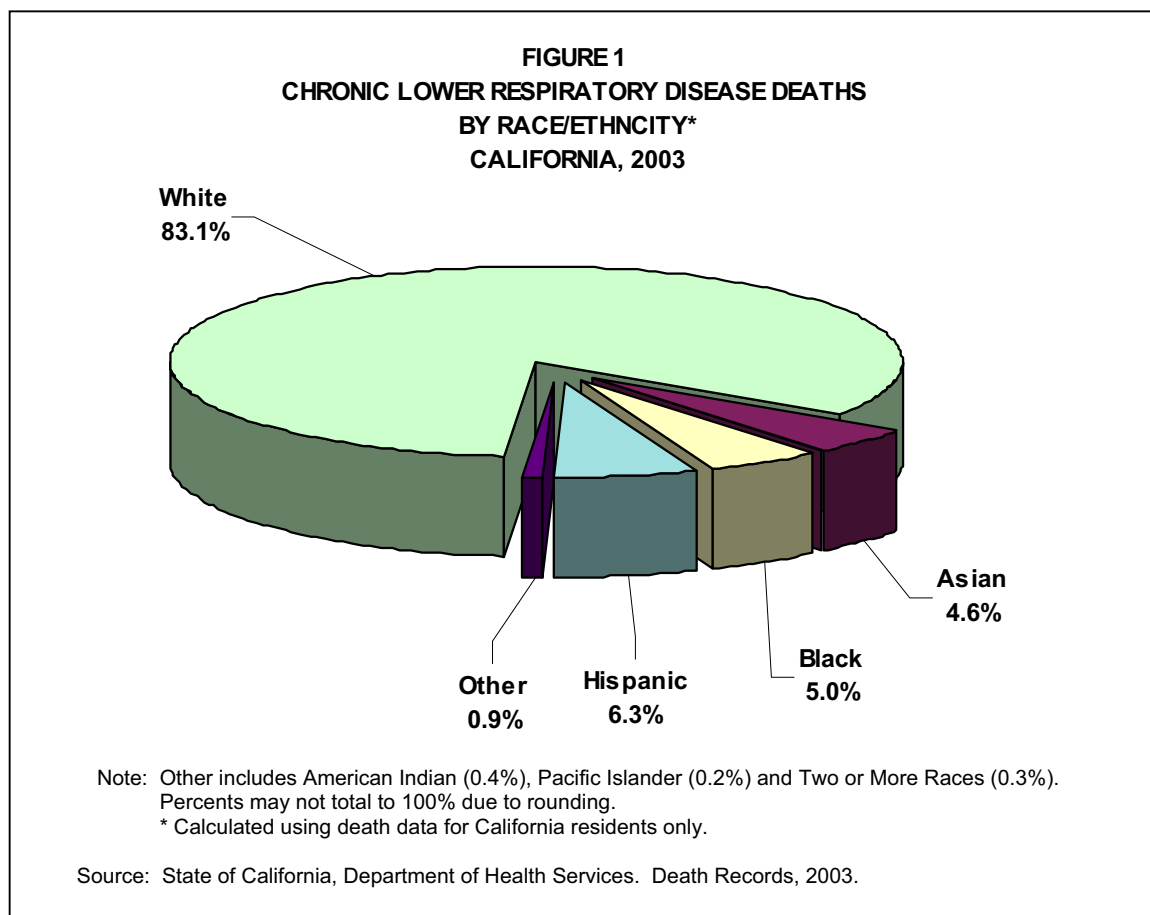
⁵Mannino DM, Homa DM, Akinbami LJ, Ford ES, Redd SC. Chronic Obstructive Pulmonary Disease Surveillance, United States, 1971-2000. MMWR 2002;51 (SS06); 1-16. August 2, 2002.

CLRD Deaths

A brief overview of [data limitations and qualifications](#) is provided at the end of this report.

Table 1 (pages 10 to 11) displays California's CLRD death data by race/ethnicity, age group, and sex for 2003. In 2003 the total number of CLRD deaths among females (7,112) exceeded that of males (6,268) by 13.5 percent. Deaths due to CLRD occur most often among older people. California residents aged 55 and older accounted for approximately 96 percent of all CLRD deaths.

Figure 1 shows in 2003 Whites had the highest percentage of CLRD deaths with 83.1 percent, followed by Hispanics with 6.3 percent, Blacks with 5.0 percent, and Asians with 4.6 percent. The remaining race/ethnic groups combined as Other accounted for 0.9 percent of CLRD deaths including American Indians with 0.4 percent, Two or More Races with 0.3 percent, and Pacific Islanders with 0.2 percent.



Tables 2 through 4 (pages 12 to 15) display CLRD death data for 2000 through 2002. The three-year average number of deaths was 12,817.7 with the annual number of deaths fluctuating each year.

A comparison of CLRD deaths from 2000 (**Table 4**, page 15) with 2003 deaths (**Table 1**, pages 10 to 11) shows an overall 4.9 percent increase. Female deaths increased 7.1 percent and male deaths increased 2.6 percent. Over this period, CLRD deaths increased among each race/ethnic group with the largest increase seen among Hispanics (25.3 percent) and the smallest increase among Whites (2.9 percent).

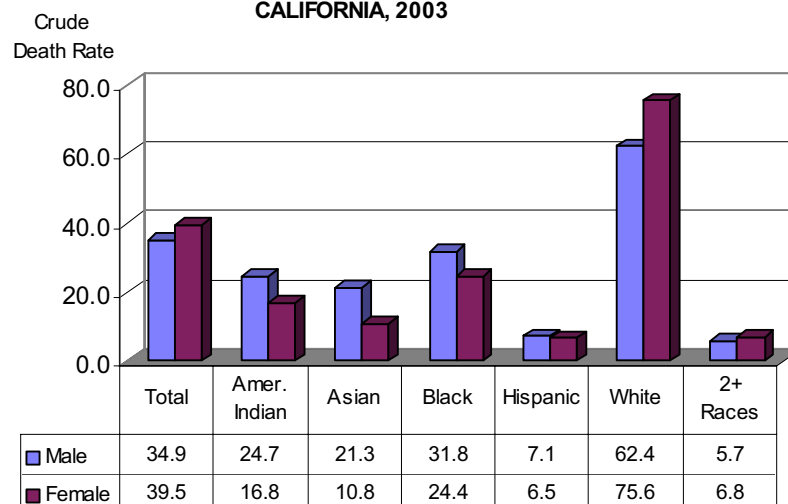
See the [Methodological Approach](#) section later in this report for an explanation of crude, age-specific, and age-adjusted death rates.

CLRD Crude Death Rates

California's CLRD crude death rate for 2003 was 37.2 per 100,000 population (**Table 1**, pages 10 to 11), about the same as the crude rate of 37.5 in 2000. In 2003 Whites had the highest CLRD crude rate (69.1), followed by Blacks (28.1), American Indians (20.7), Pacific Islanders (18.9), Asians (15.9), Hispanics (6.8), and Two or More Races (6.3).

Figure 2 shows that the rate of dying from CLRD for the total population was significantly higher for females with a crude rate of 39.5 than for males with a rate of 34.9 in 2003. However, an examination of rates for males and females by each race/ethnic group finds a significantly higher rate only among White females with a crude death rate of 75.6 compared with a rate of 62.4 for White males. The crude rates for males among American Indians (24.7), Asians (21.3), and Blacks (31.8) were significantly higher than the rates of their corresponding female counterparts (16.8, 10.8, 24.4, respectively). The differences in crude death rates between males and females were not significant among Hispanics and Two or More Races.

FIGURE 2
CHRONIC LOWER RESPIRATORY DISEASE CRUDE DEATH RATES
BY SEX AND RACE/ETHNICITY*
CALIFORNIA, 2003



Note: Total includes Pacific Islanders who are not shown separately due to unreliable rates.
*Calculated using death data for California residents only.

Source: State of California, Department of Health Services Death Records, 2003.

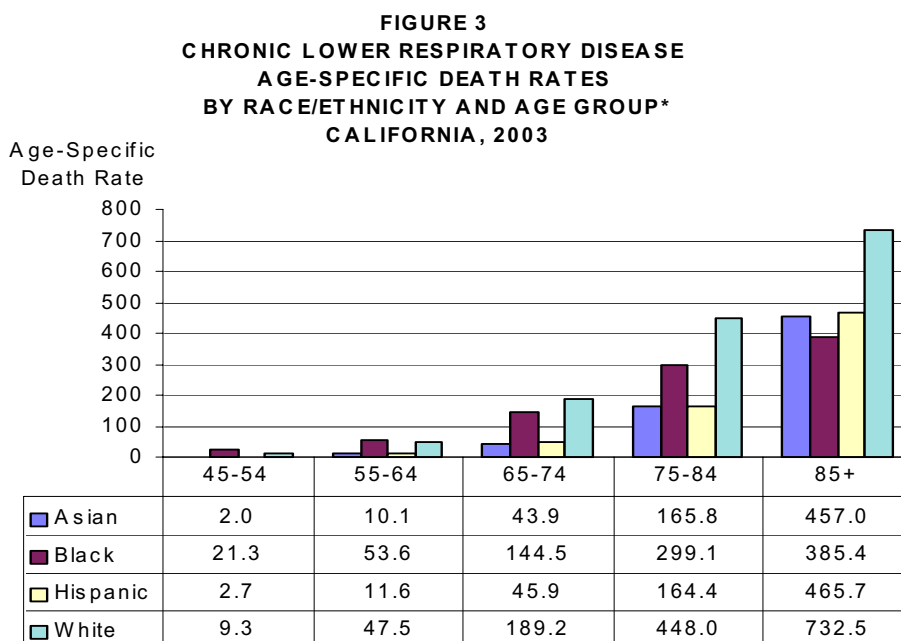
CLRD Age-Specific Death Rates

For national age-specific CLRD statistics, see Health, United States, 2004, National Center for Health Statistics, Hyattsville, Maryland, 2004 at [http://www.cdc.gov/nchs/data/04.pdf](http://www.cdc.gov/nchs/data/hus/04.pdf)

Table 1 (pages 10 to 11) displays age-specific CLRD death rates for all California residents by age group and race/ethnic groups for 2003. Generally, reliable age-specific CLRD death rates increased with age. In examining gender differences of reliable age-specific CLRD death rates, the male rates overall were consistently higher except in the 35 to 44 age group.

An examination of the race/ethnic groups with statistically reliable age-specific death rates show that the death rates among males were higher than among females for all race/ethnic groups except for Whites. The age-specific rate of White females (3.7) was higher than White males (2.9) in the 35 to 44 age group, but the difference was not statistically significant.

Figure 3 displays reliable age-specific CLRD death rates in 2003 by race/ethnicity for age groups 45 and older. Age-specific death rates for CLRD varied among race/ethnic groups. In 2003 Blacks had the highest death rates in the 45 to 54 and 55 to 64 age groups. Whites had the highest death rates for age groups 65 and older. The lowest reliable rates were found among Asians in the 55 to 64 and 65 to 74 age groups; Hispanics in the 45 to 54 and 75 to 84 age groups; and Blacks in the 85 and older age group.



Note: Not shown are American Indian, Pacific Islander, and Two or More Races due to unreliable rates.

Asian rate in the 45-54 age group is unreliable.

*Calculated using death data for California residents only.

Source: State of California, Department of Health Services. Death Records, 2003

CLRD Age-Adjusted Death Rates

For more information about crude and age-adjusted death rates, refer to the National Center for Health Statistics Web site at <http://www.cdc.gov/nchs/>

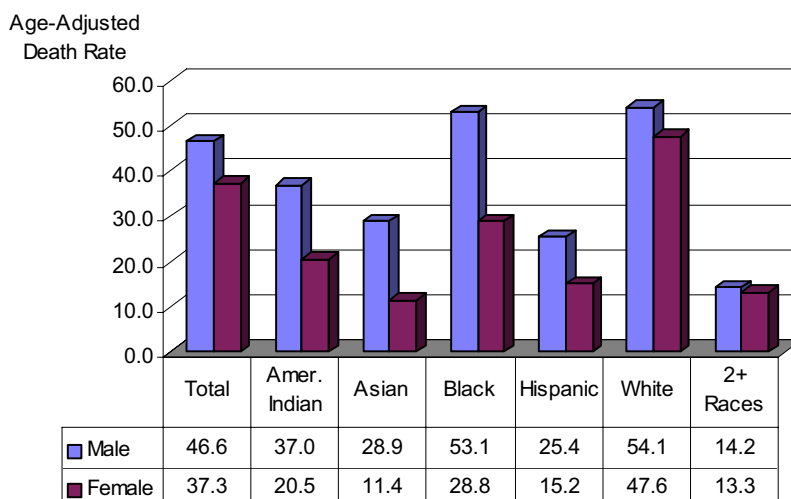
Table 1 (pages 10 to 11) shows the age-adjusted CLRD death rate for California in 2003 was 41.1 per 100,000 population, a significant 6.6 percent decrease from the 2000 rate of 44.0. California's rate continues to be lower than the national rate of 43.2 for 2003.²

The highest age-adjusted CLRD death rate in 2003 was found among Whites (50.1) followed by Blacks (38.4), Pacific Islanders (33.5), American Indians (27.7), Hispanics (19.3), Asians (18.8), and Two or More Races (13.7). The rate among Whites was significantly higher than each of the other race/ethnic groups while the rate among Two or More Races was significantly lower than each of the other groups.

Comparison of rates for each race/ethnic group between 2000 and 2003 show that the reliable age-adjusted CLRD death rates decreased among California's American Indians, Asians, Blacks, and Whites. However, the rate decreases were statistically significant only among Asians and Whites.

Figure 4 displays the reliable age-adjusted death rates by sex and race/ethnicity. In 2003 males consistently showed higher rates than females across all race/ethnic groups. Of these, the differences in rates were statistically significant among American Indians, Asians, Blacks, Hispanics, and Whites. The largest difference in rates between sexes is found among Asians, where the rate of CLRD deaths among male Asians (28.9) was 60.5 percent higher than the rate among female Asians (11.4). The three highest age-adjusted death rates were found in White males (54.1), Black males (53.1), and White females (47.6), respectively.

FIGURE 4
CHRONIC LOWER RESPIRATORY DISEASE AGE-ADJUSTED DEATH RATES
BY SEX AND RACE/ETHNICITY*
CALIFORNIA, 2003



Note: Total includes Pacific Islanders who are not shown separately due to unreliable rates.

* Calculated using death data for California residents only.

Source: State of California, Department of Health Services. Death Records, 2003.

For more vital statistics data or reports, see DHS Center for Health Statistics Web site at <http://www.dhs.ca.gov/hisp/chs/OHIR/>

CLRD Death Data for California Counties

Table 5 (page 16) displays the 2001 to 2003 average numbers of deaths, crude death rates, and age-adjusted death rates for California and its 58 counties. The highest average number of CLRD deaths occurred in Los Angeles County (2,887.0), followed by San Diego County (1,089.0) and Riverside County (951.0). The highest and lowest reliable average crude CLRD death rates were in Lake County (104.9 per 100,000 population) and Santa Clara County (24.7).

Of the counties with reliable average age-adjusted CLRD death rates, Yuba County had the highest rate at 84.5 while Santa Clara had the lowest rate at 31.2. Twenty-five counties had significantly different rates than California's average age-adjusted rate of 41.3; 17 county rates were higher and eight were lower than the State rate.

Please refer to the Data Limitations and Qualifications section for language regarding significance testing between the county and state age-adjusted rates.

CLRD Death Data for City Health Jurisdictions

The 2001 to 2003 three-year average number of CLRD deaths for California's three city health jurisdictions is shown in **Table 6**. These numbers are included in their respective county totals. Crude death rates are also shown for the city health jurisdictions. However, age-adjusted death rates were not calculated for the city health jurisdictions because city population estimates by age were not available.

Long Beach had the highest average number of deaths (220.0), followed by Pasadena (45.3), and Berkeley (24.3). The CLRD crude death rates were 46.5 per 100,000 population for Long Beach, 32.6 for Pasadena, and 23.3 for Berkeley. There were significant differences between the crude rate for Long Beach and the rates for Pasadena and Berkeley. However, the differences in rates between Pasadena and Berkeley were not significant.

TABLE 6
CHRONIC LOWER RESPIRATORY DISEASE DEATHS
AMONG THE CITY HEALTH JURISDICTIONS*
CALIFORNIA, 2001-2003

| CITY HEALTH JURISDICTION | NUMBER OF DEATHS (Average) | 2002 POPULATION | CRUDE DEATH RATE |
|--------------------------|----------------------------|-----------------|------------------|
| BERKELEY | 24.3 | 104,254 | 23.3 |
| LONG BEACH | 220.0 | 473,363 | 46.5 |
| PASADENA | 45.3 | 138,904 | 32.6 |

Note: Rates are per 100,000 population.

*Calculated using death data for California residents only.

Sources: State of California, Department of Health Services, Death Records.
State of California, Department of Finance, E-4 Population Estimates for Cities, Counties and the State, 2001-2005, with 2000 DRU Benchmark, May 2005.

Methodological Approach

The methods used to analyze vital statistics data are important. Analyzing only the number of deaths has its disadvantages and can be misleading because the population at risk is not taken into consideration. Crude death rates show the actual rate of dying in a given population, but because of the differing age compositions of various populations, crude rates do not provide a statistically valid method for comparing geographic areas and/or multiple reporting periods. Age-specific death rates are the number of deaths per 100,000 population in a specific age group and are used along with standard population proportions to develop a weighted average rate. The weighted average rate is referred to as an age-adjusted death rate and removes the effect of different age structures of the populations whose rates are being compared. Age-adjusted death rates therefore provide the preferred method for comparing different race/ethnic groups, sexes, and geographic areas and for measuring death rates over time.

Age-adjusted rates are presented when the single, summary measure is needed, but data analysts should inspect age-specific rates first.⁶ Age-specific rates provide insights to important age-related mortality trends that can be masked by age-adjusted rates. For example, a shift in the number of deaths from one age group to another could produce very little change in the age-adjusted rate, but may warrant further investigation. In addition, analysis of age-specific rates can reveal that populations being compared do not show a consistent relationship (e.g., the trend is not in the same direction for all age-specific rates) in which case the analysis of age-specific rates is recommended over age-adjusted rates.

Data Limitations and Qualifications

The CLRD disease death data presented in this report are based on the vital statistics records with ICD-10 codes J40-J47 as defined by the NCHS.² Deaths by place of residence means that the data include only those deaths occurring among residents of California, regardless of the place of death.

The term “significant” within the text indicates statistical significance based on the difference between two independent rates ($p < .05$). Significant difference between the county and State age-adjusted death rates was determined by comparing the 95 percent confidence intervals (CI) of the two rates, which are based on the rate, standard deviation, and standard error. Rates were considered to be significantly different from each other when their CIs (rounded to the nearest hundredth) did not overlap. If the upper limit of the county CI fell below the lower limit of the State CI, the county rate was deemed to be significantly lower. If the lower limit of the county CI exceeded the higher limit of the State CI, the county rate was deemed to be significantly higher. Significant differences of overlapping CIs were not addressed in this report. Overlapping CIs require a more precise statistical measure to determine significant and non-significant differences in rates because CIs may overlap as much as 29 percent and still be significantly different.⁷

⁶Choi BCK, de Guia NA, and Walsh P. Look before you leap: Stratify before you standardize. *American Journal of Epidemiology*, 149: 1087-1096. 1999.

⁷van Belle G. *Statistical Rules of Thumb*, Rule 2.5. Wiley Publishing. March 2002.

As with any vital statistics data, caution needs to be exercised when analyzing small numbers, including the rates derived from them. Death rates calculated from a small number of deaths and/or population tend to be unreliable and subject to significant variation. To assist the reader, the 95 percent CIs are provided in the data tables as a tool for measuring the reliability of death rates. Rates with a relative standard error (coefficient of variation) greater than or equal to 23 percent are indicated with an asterisk (*). The CIs represent the range of values likely to contain the “true” value 95 percent of the time.

Beginning in 1999 cause of death is reported using ICD-10.⁸ Cause of death for 1979 through 1998 was coded using the International Classification of Diseases, Ninth Revision (ICD-9). Depending on the specific cause of death, the numbers of deaths and death rates are not comparable between ICD-9 and ICD-10. Therefore, our analyses do not combine both ICD-9 and ICD-10 data.

To meet the U.S. Office of Management and Budget minimum standards for race and ethnicity data collection and reporting, the report presents the following race/ethnic groups: American Indian, Asian, Black, Hispanic, Pacific Islander, White, and Two or More Races. Hispanic origin of decedents is determined first and includes any race group. Second, decedents of the Two or More Races group are determined and are not reported in single race groups. In order to remain consistent with the population data obtained from the Department of Finance, the single race groups are defined as follows: the “American Indian” race group includes Aleut, American Indian, and Eskimo; the “Asian” race group includes Asian Indian, Asian (specified/unspecified), Cambodian, Chinese, Filipino, Hmong, Japanese, Korean, Laotian, Thai, and Vietnamese; the “Pacific Islander” race group includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander; the “White” race group includes White, Other (specified), Not Stated, and Unknown.

Caution should be exercised in the interpretation of mortality data by race/ethnicity. Misclassification of race/ethnicity on death certificates may contribute to death rates that may be understated among American Indians, Asians, Hispanics, and Pacific Islanders.⁹ This problem could contribute to understatements of rates for the Two or More Races group as well. All race groups may not be individually displayed on the tables due to unreliable rates, but the State totals do include their data.

Beginning in 2000 federal race/ethnicity reporting guidelines changed to allow reporting of more than one race on death certificates. California initiated use of the new guidelines on January 1, 2000 and collects up to three races. California’s population estimates recently added the multirace (Two or More Races) group. To be consistent with the population groups, current reports tabulate race of decedent using all races mentioned on the death certificate. Therefore, prior reports depicting race group statistics based on single race are not comparable with current reports.

⁸World Health Organization. International Statistical Classification of Diseases and Related Health Problems. Tenth Revision. Geneva: World Health Organization. 1992.

⁹Rosenberg HM, et al. Quality of Death Rates by Race and Hispanic Origin: A Summary of Current Research, 1999. Vital and Health Statistics, Series 2, No. 128, National Center for Health Statistics, DHHS Pub. No. (PHS) 99-1328, September 1999.

The 2000 U.S. population standard was used for calculating age-adjustments in accordance with statistical policy implemented by NCHS.¹⁰ Age-adjusted death rates are not comparable when rates are calculated with different population standards, e.g., the 1940 standard population. Additionally, population data used to calculate city crude rates in **Table 6** (page 7) differ from population data used to calculate county crude rates in **Table 5** (page 18). Caution should be exercised when comparing the crude rates of the three city health jurisdictions with the crude rates of the 58 California counties. Age-adjusted rates for city health jurisdictions were not calculated.

A more complete explanation of age-adjustment methodology is available in the "Healthy People 2010 Statistical Notes" publication.¹¹ Detailed information on data quality and limitations is presented in the appendix of the annual report, "Vital Statistics of California."¹² Formulas used to calculate death rates are included in the technical notes of the "County Health Status Profiles" report.¹³

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¹⁰Anderson RN, Rosenberg HM. Age Standardization of Death Rates: Implementation of the Year 2000 Standard. National Vital Statistics Reports; Vol. 47, No. 3. National Center for Health Statistics. Hyattsville, Maryland. 1998.

¹¹Klein RJ, Schoenborn CA. Healthy People 2010 Statistical Notes: Age Adjustment using the 2000 Projected U.S. Population. National Center for Health Statistics, DHHS Publication, No 20. January 2001.

¹²Ficenec S, Bindra K, Christensen J. Vital Statistics of California, 2002. Center for Health Statistics, California Department of Health Services, April 2004.

¹³Shippen S, Wilson C. County Health Status Profiles 2005. Center for Health Statistics, California Department of Health Services, April 2005.

TABLE 1
CHRONIC LOWER RESPIRATORY DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2003
(By Place of Residence)

| AGE GROUPS | DEATHS | | | POPULATION | | | RATES | | | 95% CONFIDENCE LIMITS | | | | | |
|-----------------|--------|-------|--------|------------|------------|------------|---------|---------|---------|-----------------------|-------|-------|-------|--------|-------|
| | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | | MALE | | FEMALE | |
| | | | | | | | | | | LOWER | UPPER | LOWER | UPPER | LOWER | UPPER |
| TOTAL | | | | | | | | | | | | | | | |
| Under 1 | 3 | 2 | 1 | 531,434 | 271,162 | 260,272 | 0.6 * | 0.7 * | 0.4 * | 0.0 | 1.2 | 0.0 | 1.8 | 0.0 | 1.1 |
| 1 to 4 | 11 | 7 | 4 | 2,008,528 | 1,026,713 | 981,815 | 0.5 * | 0.7 * | 0.4 * | 0.2 | 0.9 | 0.2 | 1.2 | 0.0 | 0.8 |
| 5 to 14 | 12 | 8 | 4 | 5,420,822 | 2,777,200 | 2,643,622 | 0.2 * | 0.3 * | 0.2 * | 0.1 | 0.3 | 0.1 | 0.5 | 0.0 | 0.3 |
| 15 to 24 | 24 | 12 | 12 | 5,160,658 | 2,691,409 | 2,469,249 | 0.5 | 0.4 * | 0.5 * | 0.3 | 0.7 | 0.2 | 0.7 | 0.2 | 0.8 |
| 25 to 34 | 32 | 23 | 9 | 5,246,137 | 2,705,863 | 2,540,274 | 0.6 | 0.9 | 0.4 * | 0.4 | 0.8 | 0.5 | 1.2 | 0.1 | 0.6 |
| 35 to 44 | 129 | 58 | 71 | 5,648,662 | 2,870,936 | 2,777,726 | 2.3 | 2.0 | 2.6 | 1.9 | 2.7 | 1.5 | 2.5 | 2.0 | 3.2 |
| 45 to 54 | 361 | 190 | 171 | 4,819,832 | 2,382,693 | 2,437,139 | 7.5 | 8.0 | 7.0 | 6.7 | 8.3 | 6.8 | 9.1 | 6.0 | 8.1 |
| 55 to 64 | 1,154 | 605 | 549 | 3,146,705 | 1,520,342 | 1,626,363 | 36.7 | 39.8 | 33.8 | 34.6 | 38.8 | 36.6 | 43.0 | 30.9 | 36.6 |
| 65 to 74 | 2,851 | 1,419 | 1,432 | 1,997,161 | 921,535 | 1,075,626 | 142.8 | 154.0 | 133.1 | 137.5 | 148.0 | 146.0 | 162.0 | 126.2 | 140.0 |
| 75 to 84 | 5,257 | 2,495 | 2,762 | 1,414,654 | 587,119 | 827,535 | 371.6 | 425.0 | 333.8 | 361.6 | 381.7 | 408.3 | 441.6 | 321.3 | 346.2 |
| 85 & Older | 3,546 | 1,449 | 2,097 | 540,374 | 183,447 | 356,927 | 656.2 | 789.9 | 587.5 | 634.6 | 677.8 | 749.2 | 830.5 | 562.4 | 612.7 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 13,380 | 6,268 | 7,112 | 35,934,967 | 17,938,419 | 17,996,548 | 37.2 | 34.9 | 39.5 | 36.6 | 37.9 | 34.1 | 35.8 | 38.6 | 40.4 |
| Age-Adjusted | | | | | | | 41.1 | 46.6 | 37.3 | 40.4 | 41.8 | 45.5 | 47.8 | 36.5 | 38.2 |
| AMERICAN INDIAN | | | | | | | | | | | | | | | |
| Under 1 | 0 | 0 | 0 | 3,180 | 1629 | 1551 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 1 to 4 | 0 | 0 | 0 | 9,091 | 4,692 | 4,399 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 5 to 14 | 0 | 0 | 0 | 41,585 | 21,049 | 20,536 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 15 to 24 | 1 | 1 | 0 | 41,597 | 21,270 | 20,327 | 2.4 * | 4.7 * | 0.0 + | 0.0 | 7.1 | 0.0 | 13.9 | - | - |
| 25 to 34 | 0 | 0 | 0 | 34,537 | 17,157 | 17,380 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 35 to 44 | 0 | 0 | 0 | 41,759 | 20,278 | 21,481 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 45 to 54 | 3 | 3 | 0 | 39,151 | 18,614 | 20,537 | 7.7 * | 16.1 * | 0.0 + | 0.0 | 16.3 | 0.0 | 34.4 | - | - |
| 55 to 64 | 15 | 7 | 8 | 24,166 | 11,540 | 12,626 | 62.1 * | 60.7 * | 63.4 * | 30.7 | 93.5 | 15.7 | 105.6 | 19.5 | 107.3 |
| 65 to 74 | 16 | 9 | 7 | 11,703 | 5,454 | 6,249 | 136.7 * | 165.0 * | 112.0 * | 69.7 | 203.7 | 57.2 | 272.8 | 29.0 | 195.0 |
| 75 to 84 | 14 | 9 | 5 | 6,213 | 2,604 | 3,609 | 225.3 * | 345.6 * | 138.5 * | 107.3 | 343.4 | 119.8 | 571.4 | 17.1 | 260.0 |
| 85 & Older | 4 | 2 | 2 | 3,472 | 1,263 | 2,209 | 115.2 * | 158.4 * | 90.5 * | 2.3 | 228.1 | 0.0 | 377.8 | 0.0 | 216.0 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 53 | 31 | 22 | 256,454 | 125,550 | 130,904 | 20.7 | 24.7 | 16.8 | 15.1 | 26.2 | 16.0 | 33.4 | 9.8 | 23.8 |
| Age-Adjusted | | | | | | | 27.7 | 37.0 | 20.5 | 20.0 | 35.4 | 23.3 | 50.7 | 11.7 | 29.4 |
| ASIAN | | | | | | | | | | | | | | | |
| Under 1 | 0 | 0 | 0 | 49,099 | 25,103 | 23,996 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 1 to 4 | 1 | 0 | 1 | 181,821 | 93,219 | 88,602 | 0.5 * | 0.0 + | 1.1 * | 0.0 | 1.6 | - | - | 0.0 | 3.3 |
| 5 to 14 | 0 | 0 | 0 | 500,584 | 258,445 | 242,139 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 15 to 24 | 3 | 2 | 1 | 547,727 | 281,307 | 266,420 | 0.5 * | 0.7 * | 0.4 * | 0.0 | 1.2 | 0.0 | 1.7 | 0.0 | 1.1 |
| 25 to 34 | 2 | 2 | 0 | 609,005 | 297,832 | 311,173 | 0.3 * | 0.7 * | 0.0 + | 0.0 | 0.8 | 0.0 | 1.6 | - | - |
| 35 to 44 | 3 | 2 | 1 | 654,269 | 313,201 | 341,068 | 0.5 * | 0.6 * | 0.3 * | 0.0 | 1.0 | 0.0 | 1.5 | 0.0 | 0.9 |
| 45 to 54 | 12 | 5 | 7 | 590,179 | 275,078 | 315,101 | 2.0 * | 1.8 * | 2.2 * | 0.9 | 3.2 | 0.2 | 3.4 | 0.6 | 3.9 |
| 55 to 64 | 36 | 26 | 10 | 356,471 | 166,544 | 189,927 | 10.1 | 15.6 | 5.3 * | 6.8 | 13.4 | 9.6 | 21.6 | 2.0 | 8.5 |
| 65 to 74 | 104 | 73 | 31 | 236,933 | 103,366 | 133,567 | 43.9 | 70.6 | 23.2 | 35.5 | 52.3 | 54.4 | 86.8 | 15.0 | 31.4 |
| 75 to 84 | 243 | 167 | 76 | 146,599 | 62,184 | 84,415 | 165.8 | 268.6 | 90.0 | 144.9 | 186.6 | 227.8 | 309.3 | 69.8 | 110.3 |
| 85 & Older | 218 | 127 | 91 | 47,703 | 19,092 | 28,611 | 457.0 | 665.2 | 318.1 | 396.3 | 517.7 | 549.5 | 780.9 | 252.7 | 383.4 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 622 | 404 | 218 | 3,920,390 | 1,895,371 | 2,025,019 | 15.9 | 21.3 | 10.8 | 14.6 | 17.1 | 19.2 | 23.4 | 9.3 | 12.2 |
| Age-Adjusted | | | | | | | 18.8 | 28.9 | 11.4 | 17.3 | 20.3 | 26.1 | 31.8 | 9.9 | 12.9 |
| BLACK | | | | | | | | | | | | | | | |
| Under 1 | 0 | 0 | 0 | 32,376 | 16,503 | 15,873 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 1 to 4 | 4 | 3 | 1 | 122,874 | 62,658 | 60,216 | 3.3 * | 4.8 * | 1.7 * | 0.1 | 6.4 | 0.0 | 10.2 | 0.0 | 4.9 |
| 5 to 14 | 3 | 3 | 0 | 415,801 | 211,605 | 204,196 | 0.7 * | 1.4 * | 0.0 + | 0.0 | 1.5 | 0.0 | 3.0 | - | - |
| 15 to 24 | 9 | 4 | 5 | 379,857 | 197,146 | 182,711 | 2.4 * | 2.0 * | 2.7 * | 0.8 | 3.9 | 0.0 | 4.0 | 0.3 | 5.1 |
| 25 to 34 | 9 | 7 | 2 | 329,285 | 162,507 | 166,778 | 2.7 * | 4.3 * | 1.2 * | 0.9 | 4.5 | 1.1 | 7.5 | 0.0 | 2.9 |
| 35 to 44 | 24 | 11 | 13 | 401,674 | 200,729 | 200,945 | 6.0 | 5.5 * | 6.5 * | 3.6 | 8.4 | 2.2 | 8.7 | 3.0 | 10.0 |
| 45 to 54 | 68 | 36 | 32 | 319,425 | 155,654 | 163,771 | 21.3 | 23.1 | 19.5 | 16.2 | 26.3 | 15.6 | 30.7 | 12.8 | 26.3 |
| 55 to 64 | 102 | 56 | 46 | 190,319 | 88,453 | 101,866 | 53.6 | 63.3 | 45.2 | 43.2 | 64.0 | 46.7 | 79.9 | 32.1 | 58.2 |
| 65 to 74 | 170 | 93 | 77 | 117,685 | 53,462 | 64,223 | 144.5 | 174.0 | 119.9 | 122.7 | 166.2 | 138.6 | 209.3 | 93.1 | 146.7 |
| 75 to 84 | 191 | 124 | 67 | 63,864 | 24,858 | 39,006 | 299.1 | 498.8 | 171.8 | 256.7 | 341.5 | 411.0 | 586.6 | 130.6 | 212.9 |
| 85 & Older | 93 | 39 | 54 | 24,128 | 7,218 | 16,910 | 385.4 | 540.3 | 319.3 | 307.1 | 463.8 | 370.7 | 709.9 | 234.2 | 404.5 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 673 | 376 | 297 | 2,397,288 | 1,180,793 | 1,216,495 | 28.1 | 31.8 | 24.4 | 26.0 | 30.2 | 28.6 | 35.1 | 21.6 | 27.2 |
| Age-Adjusted | | | | | | | 38.4 | 53.1 | 28.8 | 35.5 | 41.4 | 47.5 | 58.7 | 25.5 | 32.1 |
| HISPANIC | | | | | | | | | | | | | | | |
| Under 1 | 1 | 1 | 0 | 265,727 | 135,553 | 130,174 | 0.4 * | 0.7 * | 0.0 + | 0.0 | 1.1 | 0.0 | 2.2 | - | - |
| 1 to 4 | 5 | 3 | 2 | 972,443 | 496,688 | 475,755 | 0.5 * | 0.6 * | 0.4 * | 0.1 | 1.0 | 0.0 | 1.3 | 0.0 | 1.0 |
| 5 to 14 | 5 | 3 | 2 | 2,487,194 | 1,271,424 | 1,215,770 | 0.2 * | 0.2 * | 0.2 * | 0.0 | 0.4 | 0.0 | 0.5 | 0.0 | 0.4 |
| 15 to 24 | 5 | 1 | 4 | 2,211,661 | 1,170,782 | 1,040,879 | 0.2 * | 0.1 * | 0.4 * | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 | 0.8 |
| 25 to 34 | 6 | 4 | 2 | 2,282,378 | 1,215,342 | 1,067,036 | 0.3 * | 0.3 * | 0.2 * | 0.1 | 0.5 | 0.0 | 0.7 | 0.0 | 0.4 |
| 35 to 44 | 16 | 7 | 9 | 1,872,178 | 969,722 | 902,456 | 0.9 * | 0.7 * | 1.0 * | 0.4 | 1.3 | 0.2 | 1.3 | 0.3 | 1.6 |
| 45 to 54 | 31 | 15 | 16 | 1,159,100 | 572,129 | 586,971 | 2.7 | 2.6 * | 2.7 * | 1.7 | 3.6 | 1.3 | 3.9 | 1.4 | 4.1 |
| 55 to 64 | 69 | 40 | 29 | 595,540 | 279,290 | 316,250 | 11.6 | 14.3 | 9.2 | 8.9 | 14.3 | 9.9 | 18.8 | 5.8 | 12.5 |
| 65 to 74 | 158 | 91 | 67 | 344,493 | 151,957 | 192,536 | 45.9 | 59.9 | 34.8 | 38.7 | 53.0 | 47.6 | 72.2 | 26.5 | 43.1 |
| 75 to 84 | 296 | 170 | 126 | 180,074 | 74,189 | 105,885 | 164.4 | 229.1 | 119.0 | 145.7 | 183.1 | 194.7 | 263.6 | 98.2 | 139.8 |
| 85 & Older | 255 | 115 | 140 | 54,755 | 19,164 | 35,591 | 465.7 | 600.1 | 393.4 | 408.5 | 522.9 | 490.4 | 709.8 | 328.2 | 458.5 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 847 | 450 | 397 | 12,425,543 | 6,356,240 | 6,069,303 | 6.8 | 7.1 | 6.5 | 6.4 | 7.3 | 6.4 | 7.7 | 5.9 | 7.2 |
| Age-Adjusted | | | | | | | 19.3 | 25.4 | 15.2 | 17.9 | 20.6 | 22.9 | 27.9 | 13.7 | 16.7 |

Note : Rates are per 100,000 population. ICD-10 codes J40-J47.

Year 2000 U.S. Standard Population is used for age-adjusted rates.

American Indian, Asian, Black, Pacific Islander, White and Two or More Races exclude Hispanic ethnicity.

Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

+ Standard error indeterminate, death rate based on no (zero) deaths.

- Confidence limit is not calculated for no (zero) deaths.

Source : State of California, Department of Finance; Population Projections with Age, Sex, and Race/Ethnic Detail, 2000-2050, May 2004.
State of California, Department of Health Services, Death Records.

TABLE 1 (Continued)
CHRONIC LOWER RESPIRATORY DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2003
(By Place of Residence)

| AGE GROUPS | DEATHS | | | POPULATION | | | RATES | | | 95% CONFIDENCE LIMITS | | | | | |
|-------------------|--------|-------|--------|------------|------------|------------|---------|---------|---------|-----------------------|-------|-------|-------|--------|---------|
| | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | | MALE | | FEMALE | |
| | | | | | | | | | | LOWER | UPPER | LOWER | UPPER | LOWER | UPPER |
| TOTAL | | | | | | | | | | | | | | | |
| Under 1 | 3 | 2 | 1 | 531,434 | 271,162 | 260,272 | 0.6 * | 0.7 * | 0.4 * | 0.0 | 1.2 | 0.0 | 1.8 | 0.0 | 1.1 |
| 1 to 4 | 11 | 7 | 4 | 2,008,528 | 1,026,713 | 981,815 | 0.5 * | 0.7 * | 0.4 * | 0.2 | 0.9 | 0.2 | 1.2 | 0.0 | 0.8 |
| 5 to 14 | 12 | 8 | 4 | 5,420,822 | 2,777,200 | 2,643,622 | 0.2 * | 0.3 * | 0.2 * | 0.1 | 0.3 | 0.1 | 0.5 | 0.0 | 0.3 |
| 15 to 24 | 24 | 12 | 12 | 5,160,658 | 2,691,409 | 2,469,249 | 0.5 | 0.4 * | 0.5 * | 0.3 | 0.7 | 0.2 | 0.7 | 0.2 | 0.8 |
| 25 to 34 | 32 | 23 | 9 | 5,246,137 | 2,705,863 | 2,540,274 | 0.6 | 0.9 | 0.4 * | 0.4 | 0.8 | 0.5 | 1.2 | 0.1 | 0.6 |
| 35 to 44 | 129 | 58 | 71 | 5,648,662 | 2,870,936 | 2,777,726 | 2.3 | 2.0 | 2.6 | 1.9 | 2.7 | 1.5 | 2.5 | 2.0 | 3.2 |
| 45 to 54 | 361 | 190 | 171 | 4,819,832 | 2,382,693 | 2,437,139 | 7.5 | 8.0 | 7.0 | 6.7 | 8.3 | 6.8 | 9.1 | 6.0 | 8.1 |
| 55 to 64 | 1,154 | 605 | 549 | 3,146,705 | 1,520,342 | 1,626,363 | 36.7 | 39.8 | 33.8 | 34.6 | 38.8 | 36.6 | 43.0 | 30.9 | 36.6 |
| 65 to 74 | 2,851 | 1,419 | 1,432 | 1,997,161 | 921,535 | 1,075,626 | 142.8 | 154.0 | 133.1 | 137.5 | 148.0 | 146.0 | 162.0 | 126.2 | 140.0 |
| 75 to 84 | 5,257 | 2,495 | 2,762 | 1,414,654 | 587,119 | 827,535 | 371.6 | 425.0 | 333.8 | 361.6 | 381.7 | 408.3 | 441.6 | 321.3 | 346.2 |
| 85 & Older | 3,546 | 1,449 | 2,097 | 540,374 | 183,447 | 356,927 | 656.2 | 789.9 | 587.5 | 634.6 | 677.8 | 749.2 | 830.5 | 562.4 | 612.7 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 13,380 | 6,268 | 7,112 | 35,934,967 | 17,938,419 | 17,996,548 | 37.2 | 34.9 | 39.5 | 36.6 | 37.9 | 34.1 | 35.8 | 38.6 | 40.4 |
| Age-Adjusted | | | | | | | 41.1 | 46.6 | 37.3 | 40.4 | 41.8 | 45.5 | 47.8 | 36.5 | 38.2 |
| PACIFIC ISLANDER | | | | | | | | | | | | | | | |
| Under 1 | 0 | 0 | 0 | 1,612 | 824 | 788 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 1 to 4 | 0 | 0 | 0 | 5,968 | 3,081 | 2,887 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 5 to 14 | 1 | 1 | 0 | 20,242 | 10,342 | 9,900 | 4.9 * | 9.7 * | 0.0 + | 0.0 | 14.6 | 0.0 | 28.6 | - | - |
| 15 to 24 | 0 | 0 | 0 | 20,994 | 10,740 | 10,254 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 25 to 34 | 2 | 1 | 1 | 20,422 | 10,089 | 10,333 | 9.8 * | 9.9 * | 9.7 * | 0.0 | 23.4 | 0.0 | 29.3 | 0.0 | 28.6 |
| 35 to 44 | 0 | 0 | 0 | 21,047 | 10,435 | 10,612 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 45 to 54 | 1 | 1 | 0 | 15,034 | 7,444 | 7,590 | 6.7 * | 13.4 * | 0.0 + | 0.0 | 19.7 | 0.0 | 39.8 | - | - |
| 55 to 64 | 4 | 3 | 1 | 8,688 | 4,226 | 4,462 | 46.0 * | 71.0 * | 22.4 * | 0.9 | 91.2 | 0.0 | 151.3 | 0.0 | 66.3 |
| 65 to 74 | 6 | 4 | 2 | 4,924 | 2,356 | 2,568 | 121.9 * | 169.8 * | 77.9 * | 24.4 | 219.4 | 3.4 | 336.2 | 0.0 | 185.8 |
| 75 to 84 | 6 | 4 | 2 | 2,147 | 935 | 1,212 | 279.5 * | 427.8 * | 165.0 * | 55.8 | 503.1 | 8.6 | 847.1 | 0.0 | 393.7 |
| 85 & Older | 3 | 1 | 2 | 785 | 327 | 458 | 382.2 * | 305.8 * | 436.7 * | 0.0 | 814.6 | 0.0 | 905.2 | 0.0 | 1,041.9 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 23 | 15 | 8 | 121,863 | 60,799 | 61,064 | 18.9 | 24.7 * | 13.1 * | 11.2 | 26.6 | 12.2 | 37.2 | 4.0 | 22.2 |
| Age-Adjusted | | | | | | | 33.5 | 45.9 * | 22.6 * | 18.9 | 48.0 | 20.7 | 71.1 | 6.3 | 38.9 |
| WHITE | | | | | | | | | | | | | | | |
| Under 1 | 2 | 1 | 1 | 168,928 | 86,181 | 82,747 | 1.2 * | 1.2 * | 1.2 * | 0.0 | 2.8 | 0.0 | 3.4 | 0.0 | 3.6 |
| 1 to 4 | 1 | 1 | 0 | 608,995 | 311,436 | 297,559 | 0.2 * | 0.3 * | 0.0 + | 0.0 | 0.5 | 0.0 | 1.0 | - | - |
| 5 to 14 | 3 | 1 | 2 | 1,786,666 | 918,847 | 867,819 | 0.2 * | 0.1 * | 0.2 * | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 | 0.5 |
| 15 to 24 | 6 | 4 | 2 | 1,831,860 | 947,345 | 884,515 | 0.3 * | 0.4 * | 0.2 * | 0.1 | 0.6 | 0.0 | 0.8 | 0.0 | 0.5 |
| 25 to 34 | 13 | 9 | 4 | 1,885,206 | 961,929 | 923,277 | 0.7 * | 0.9 * | 0.4 * | 0.3 | 1.1 | 0.3 | 1.5 | 0.0 | 0.9 |
| 35 to 44 | 85 | 38 | 47 | 2,579,091 | 1,318,760 | 1,260,331 | 3.3 | 2.9 | 3.7 | 2.6 | 4.0 | 2.0 | 3.8 | 2.7 | 4.8 |
| 45 to 54 | 245 | 130 | 115 | 2,633,665 | 1,323,757 | 1,309,908 | 9.3 | 9.8 | 8.8 | 8.1 | 10.5 | 8.1 | 11.5 | 7.2 | 10.4 |
| 55 to 64 | 918 | 468 | 450 | 1,933,678 | 952,538 | 981,140 | 47.5 | 49.1 | 45.9 | 44.4 | 50.5 | 44.7 | 53.6 | 41.6 | 50.1 |
| 65 to 74 | 2,384 | 1,145 | 1,239 | 1,259,989 | 594,985 | 665,004 | 189.2 | 192.4 | 186.3 | 181.6 | 196.8 | 181.3 | 203.6 | 175.9 | 196.7 |
| 75 to 84 | 4,494 | 2,012 | 2,482 | 1,003,097 | 416,813 | 586,284 | 448.0 | 482.7 | 423.3 | 434.9 | 461.1 | 461.6 | 503.8 | 406.7 | 440.0 |
| 85 & Older | 2,966 | 1,163 | 1,803 | 404,890 | 134,702 | 270,188 | 732.5 | 863.4 | 667.3 | 706.2 | 758.9 | 813.8 | 913.0 | 636.5 | 698.1 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 11,117 | 4,972 | 6,145 | 16,096,065 | 7,967,293 | 8,128,772 | 69.1 | 62.4 | 75.6 | 67.8 | 70.4 | 60.7 | 64.1 | 73.7 | 77.5 |
| Age-Adjusted | | | | | | | 50.1 | 54.1 | 47.6 | 49.1 | 51.0 | 52.6 | 55.6 | 46.4 | 48.8 |
| TWO OR MORE RACES | | | | | | | | | | | | | | | |
| Under 1 | 0 | 0 | 0 | 10,512 | 5,369 | 5,143 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 1 to 4 | 0 | 0 | 0 | 107,336 | 54,939 | 52,397 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 5 to 14 | 0 | 0 | 0 | 168,750 | 85,488 | 83,262 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 15 to 24 | 0 | 0 | 0 | 126,962 | 62,819 | 64,143 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 25 to 34 | 0 | 0 | 0 | 85,304 | 41,007 | 44,297 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 35 to 44 | 1 | 0 | 1 | 78,644 | 37,811 | 40,833 | 1.3 * | 0.0 + | 2.4 * | 0.0 | 3.8 | - | - | 0.0 | 7.2 |
| 45 to 54 | 1 | 0 | 1 | 63,278 | 30,017 | 33,261 | 1.6 * | 0.0 + | 3.0 * | 0.0 | 4.7 | - | - | 0.0 | 8.9 |
| 55 to 64 | 10 | 5 | 5 | 37,843 | 17,751 | 20,092 | 26.4 * | 28.2 * | 24.9 * | 10.0 | 42.8 | 3.5 | 52.9 | 3.1 | 46.7 |
| 65 to 74 | 13 | 4 | 9 | 21,434 | 9,955 | 11,479 | 60.7 * | 40.2 * | 78.4 * | 27.7 | 93.6 | 0.8 | 79.6 | 27.2 | 129.6 |
| 75 to 84 | 13 | 9 | 4 | 12,660 | 5,536 | 7,124 | 102.7 * | 162.6 * | 56.1 * | 46.9 | 158.5 | 56.4 | 268.8 | 1.1 | 111.2 |
| 85 & Older | 7 | 2 | 5 | 4,641 | 1,681 | 2,960 | 150.8 * | 119.0 * | 168.9 * | 39.1 | 262.6 | 0.0 | 283.9 | 20.9 | 317.0 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 45 | 20 | 25 | 717,364 | 352,373 | 364,991 | 6.3 | 5.7 | 6.8 | 4.4 | 8.1 | 3.2 | 8.2 | 4.2 | 9.5 |
| Age-Adjusted | | | | | | | 13.7 | 14.2 | 13.3 | 9.6 | 17.7 | 7.9 | 20.6 | 8.0 | 18.5 |

Note: Rates are per 100,000 population. ICD-10 codes J40-J47.

Year 2000 U.S. Standard Population is used for age-adjusted rates.

American Indian, Asian, Black, Pacific Islander, White and Two or More Races exclude Hispanic ethnicity.

Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

+ Standard error indeterminate, death rate based on no (zero) deaths.

- Confidence limit is not calculated for no (zero) deaths.

Source: State of California, Department of Finance; Population Projections with Age, Sex, and Race/Ethnic Detail, 2000-2050, May 2004.

State of California, Department of Health Services, Death Records.

TABLE 2
CHRONIC LOWER RESPIRATORY DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2002
(By Place of Residence)

| AGE GROUPS | DEATHS | | | POPULATION | | | RATES | | | 95% CONFIDENCE LIMITS | | | | | |
|--------------------|--------|-------|--------|------------|------------|------------|---------|---------|---------|-----------------------|-------|-------|-------|--------|-------|
| | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | | MALE | | FEMALE | |
| | | | | | | | | | | LOWER | UPPER | LOWER | UPPER | LOWER | UPPER |
| TOTAL ¹ | | | | | | | | | | | | | | | |
| Under 1 | 8 | 4 | 4 | 516,411 | 263,488 | 252,923 | 1.5 * | 1.5 * | 1.6 * | 0.5 | 2.6 | 0.0 | 3.0 | 0.0 | 3.1 |
| 1 to 4 | 6 | 4 | 2 | 1,976,342 | 1,010,549 | 965,793 | 0.3 * | 0.4 * | 0.2 * | 0.1 | 0.5 | 0.0 | 0.8 | 0.0 | 0.5 |
| 5 to 14 | 12 | 4 | 8 | 5,412,306 | 2,773,346 | 2,638,960 | 0.2 * | 0.1 * | 0.3 * | 0.1 | 0.3 | 0.0 | 0.3 | 0.1 | 0.5 |
| 15 to 24 | 19 | 14 | 5 | 5,045,468 | 2,631,609 | 2,413,859 | 0.4 | 0.5 * | 0.2 * | 0.2 | 0.5 | 0.3 | 0.8 | 0.0 | 0.4 |
| 25 to 34 | 34 | 22 | 12 | 5,288,247 | 2,724,113 | 2,564,134 | 0.6 | 0.8 | 0.5 * | 0.4 | 0.9 | 0.5 | 1.1 | 0.2 | 0.7 |
| 35 to 44 | 107 | 52 | 55 | 5,607,549 | 2,846,141 | 2,761,408 | 1.9 | 1.8 | 2.0 | 1.5 | 2.3 | 1.3 | 2.3 | 1.5 | 2.5 |
| 45 to 54 | 332 | 170 | 162 | 4,679,130 | 2,308,857 | 2,370,273 | 7.1 | 7.4 | 6.8 | 6.3 | 7.9 | 6.3 | 8.5 | 5.8 | 7.9 |
| 55 to 64 | 985 | 499 | 486 | 2,962,280 | 1,429,870 | 1,532,410 | 33.3 | 34.9 | 31.7 | 31.2 | 35.3 | 31.8 | 38.0 | 28.9 | 34.5 |
| 65 to 74 | 2,790 | 1,347 | 1,443 | 1,954,020 | 896,870 | 1,057,150 | 142.8 | 150.2 | 136.5 | 137.5 | 148.1 | 142.2 | 158.2 | 129.5 | 143.5 |
| 75 to 84 | 5,125 | 2,476 | 2,649 | 1,383,065 | 571,663 | 811,402 | 370.6 | 433.1 | 326.5 | 360.4 | 380.7 | 416.1 | 450.2 | 314.0 | 338.9 |
| 85 & Older | 3,225 | 1,287 | 1,938 | 513,989 | 171,306 | 342,683 | 627.4 | 751.3 | 565.5 | 605.8 | 649.1 | 710.2 | 792.3 | 540.4 | 590.7 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 12,643 | 5,879 | 6,764 | 35,338,807 | 17,627,812 | 17,710,995 | 35.8 | 33.4 | 38.2 | 35.2 | 36.4 | 32.5 | 34.2 | 37.3 | 39.1 |
| Age-Adjusted | | | | | | | 40.2 | 45.6 | 36.6 | 39.5 | 40.9 | 44.4 | 46.7 | 35.7 | 37.5 |
| AMERICAN INDIAN | | | | | | | | | | | | | | | |
| Under 1 | 0 | 0 | 0 | 975 | 497 | 478 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 1 to 4 | 0 | 0 | 0 | 10,125 | 5,213 | 4,912 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 5 to 14 | 0 | 0 | 0 | 39,005 | 19,736 | 19,269 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 15 to 24 | 1 | 0 | 1 | 37,805 | 19,399 | 18,406 | 2.6 * | 0.0 + | 5.4 * | 0.0 | 7.8 | - | - | 0.0 | 16.1 |
| 25 to 34 | 0 | 0 | 0 | 32,536 | 16,203 | 16,333 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 35 to 44 | 0 | 0 | 0 | 39,544 | 19,207 | 20,337 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 45 to 54 | 3 | 1 | 2 | 35,940 | 17,069 | 18,871 | 8.3 * | 5.9 * | 10.6 * | 0.0 | 17.8 | 0.0 | 17.3 | 0.0 | 25.3 |
| 55 to 64 | 9 | 4 | 5 | 21,530 | 10,335 | 11,195 | 41.8 * | 38.7 * | 44.7 * | 14.5 | 69.1 | 0.8 | 76.6 | 5.5 | 83.8 |
| 65 to 74 | 18 | 10 | 8 | 10,593 | 4,921 | 5,672 | 169.9 * | 203.2 * | 141.0 * | 91.4 | 248.4 | 77.3 | 329.2 | 43.3 | 238.8 |
| 75 to 84 | 19 | 10 | 9 | 5,571 | 2,305 | 3,266 | 341.1 | 433.8 * | 275.6 * | 187.7 | 494.4 | 164.9 | 702.7 | 95.5 | 455.6 |
| 85 & Older | 7 | 2 | 5 | 2,885 | 1,015 | 1,870 | 242.6 * | 197.0 * | 267.4 * | 62.9 | 422.4 | 0.0 | 470.1 | 33.0 | 501.7 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 57 | 27 | 30 | 236,509 | 115,900 | 120,609 | 24.1 | 23.3 | 24.9 | 17.8 | 30.4 | 14.5 | 32.1 | 16.0 | 33.8 |
| Age-Adjusted | | | | | | | 35.4 | 40.1 | 31.9 | 25.9 | 44.9 | 24.4 | 55.8 | 20.2 | 43.6 |
| ASIAN | | | | | | | | | | | | | | | |
| Under 1 | 0 | 0 | 0 | 45,926 | 23,458 | 22,468 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 1 to 4 | 1 | 1 | 0 | 178,330 | 91,534 | 86,796 | 0.6 * | 1.1 * | 0.0 + | 0.0 | 1.7 | 0.0 | 3.2 | - | - |
| 5 to 14 | 1 | 1 | 0 | 507,351 | 262,076 | 245,275 | 0.2 * | 0.4 * | 0.0 + | 0.0 | 0.6 | 0.0 | 1.1 | - | - |
| 15 to 24 | 1 | 1 | 0 | 557,144 | 284,561 | 272,583 | 0.2 * | 0.4 * | 0.0 + | 0.0 | 0.5 | 0.0 | 1.0 | - | - |
| 25 to 34 | 1 | 1 | 0 | 644,621 | 313,918 | 330,703 | 0.2 * | 0.3 * | 0.0 + | 0.0 | 0.5 | 0.0 | 0.9 | - | - |
| 35 to 44 | 4 | 2 | 2 | 659,156 | 314,894 | 344,262 | 0.6 * | 0.6 * | 0.6 * | 0.0 | 1.2 | 0.0 | 1.5 | 0.0 | 1.4 |
| 45 to 54 | 10 | 2 | 8 | 578,796 | 268,890 | 309,906 | 1.7 * | 0.7 * | 2.6 * | 0.7 | 2.8 | 0.0 | 1.8 | 0.8 | 4.4 |
| 55 to 64 | 30 | 24 | 6 | 337,662 | 157,274 | 180,388 | 8.9 | 15.3 | 3.3 * | 5.7 | 12.1 | 9.2 | 21.4 | 0.7 | 6.0 |
| 65 to 74 | 104 | 73 | 31 | 233,048 | 101,009 | 132,039 | 44.6 | 72.3 | 23.5 | 36.0 | 53.2 | 55.7 | 88.8 | 15.2 | 31.7 |
| 75 to 84 | 237 | 170 | 67 | 137,756 | 58,678 | 79,078 | 172.0 | 289.7 | 84.7 | 150.1 | 193.9 | 246.2 | 333.3 | 64.4 | 105.0 |
| 85 & Older | 179 | 109 | 70 | 41,956 | 16,705 | 25,251 | 426.6 | 652.5 | 277.2 | 364.1 | 489.1 | 530.0 | 775.0 | 212.3 | 342.2 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 568 | 384 | 184 | 3,921,746 | 1,892,997 | 2,028,749 | 14.5 | 20.3 | 9.1 | 13.3 | 15.7 | 18.3 | 22.3 | 7.8 | 10.4 |
| Age-Adjusted | | | | | | | 18.5 | 29.6 | 10.4 | 17.0 | 20.0 | 26.6 | 32.6 | 8.9 | 11.9 |
| BLACK | | | | | | | | | | | | | | | |
| Under 1 | 3 | 2 | 1 | 27,144 | 13,839 | 13,305 | 11.1 * | 14.5 * | 7.5 * | 0.0 | 23.6 | 0.0 | 34.5 | 0.0 | 22.2 |
| 1 to 4 | 2 | 2 | 0 | 126,271 | 64,316 | 61,955 | 1.6 * | 3.1 * | 0.0 + | 0.0 | 3.8 | 0.0 | 7.4 | - | - |
| 5 to 14 | 9 | 3 | 6 | 411,254 | 209,155 | 202,099 | 2.2 * | 1.4 * | 3.0 * | 0.8 | 3.6 | 0.0 | 3.1 | 0.6 | 5.3 |
| 15 to 24 | 2 | 2 | 0 | 358,775 | 185,649 | 173,126 | 0.6 * | 1.1 * | 0.0 + | 0.0 | 1.3 | 0.0 | 2.6 | - | - |
| 25 to 34 | 11 | 7 | 4 | 327,826 | 161,945 | 165,881 | 3.4 * | 4.3 * | 2.4 * | 1.4 | 5.3 | 1.1 | 7.5 | 0.0 | 4.8 |
| 35 to 44 | 28 | 12 | 16 | 395,874 | 197,451 | 198,423 | 7.1 | 6.1 * | 8.1 * | 4.5 | 9.7 | 2.6 | 9.5 | 4.1 | 12.0 |
| 45 to 54 | 53 | 29 | 24 | 304,136 | 147,575 | 156,561 | 17.4 | 19.7 | 15.3 | 12.7 | 22.1 | 12.5 | 26.8 | 9.2 | 21.5 |
| 55 to 64 | 104 | 55 | 49 | 179,445 | 83,390 | 96,055 | 58.0 | 66.0 | 51.0 | 46.8 | 69.1 | 48.5 | 83.4 | 36.7 | 65.3 |
| 65 to 74 | 146 | 72 | 74 | 113,055 | 51,054 | 62,001 | 129.1 | 141.0 | 119.4 | 108.2 | 150.1 | 108.5 | 173.6 | 92.2 | 146.5 |
| 75 to 84 | 213 | 127 | 86 | 62,587 | 24,248 | 38,339 | 340.3 | 523.8 | 224.3 | 294.6 | 386.0 | 432.7 | 614.8 | 176.9 | 271.7 |
| 85 & Older | 108 | 50 | 58 | 23,307 | 6,933 | 16,374 | 463.4 | 721.2 | 354.2 | 376.0 | 550.8 | 521.3 | 921.1 | 263.1 | 445.4 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 679 | 361 | 318 | 2,329,674 | 1,145,555 | 1,184,119 | 29.1 | 31.5 | 26.9 | 27.0 | 31.3 | 28.3 | 34.8 | 23.9 | 29.8 |
| Age-Adjusted | | | | | | | 40.6 | 54.7 | 32.1 | 37.5 | 43.7 | 48.8 | 60.6 | 28.6 | 35.7 |
| HISPANIC | | | | | | | | | | | | | | | |
| Under 1 | 3 | 1 | 2 | 256,278 | 130,761 | 125,517 | 1.2 * | 0.8 * | 1.6 * | 0.0 | 2.5 | 0.0 | 2.3 | 0.0 | 3.8 |
| 1 to 4 | 1 | 0 | 1 | 950,953 | 485,542 | 465,411 | 0.1 * | 0.0 + | 0.2 * | 0.0 | 0.3 | - | - | 0.0 | 0.6 |
| 5 to 14 | 1 | 0 | 1 | 2,449,592 | 1,252,436 | 1,197,156 | 0.0 * | 0.0 + | 0.1 * | 0.0 | 0.1 | - | - | 0.0 | 0.2 |
| 15 to 24 | 8 | 7 | 1 | 2,147,131 | 1,140,661 | 1,006,470 | 0.4 * | 0.6 * | 0.1 * | 0.1 | 0.6 | 0.2 | 1.1 | 0.0 | 0.3 |
| 25 to 34 | 7 | 5 | 2 | 2,222,788 | 1,182,208 | 1,040,580 | 0.3 * | 0.4 * | 0.2 * | 0.1 | 0.5 | 0.1 | 0.8 | 0.0 | 0.5 |
| 35 to 44 | 12 | 5 | 7 | 1,788,037 | 924,255 | 863,782 | 0.7 * | 0.5 * | 0.8 * | 0.3 | 1.1 | 0.1 | 1.0 | 0.2 | 1.4 |
| 45 to 54 | 25 | 11 | 14 | 1,086,080 | 535,046 | 551,034 | 2.3 | 2.1 * | 2.5 * | 1.4 | 3.2 | 0.8 | 3.3 | 1.2 | 3.9 |
| 55 to 64 | 61 | 41 | 20 | 554,789 | 259,751 | 295,038 | 11.0 | 15.8 | 6.8 | 8.2 | 13.8 | 11.0 | 20.6 | 3.8 | 9.7 |
| 65 to 74 | 146 | 77 | 69 | 330,157 | 145,276 | 184,881 | 44.2 | 53.0 | 37.3 | 37.0 | 51.4 | 41.2 | 64.8 | 28.5 | 46.1 |
| 75 to 84 | 261 | 142 | 119 | 167,231 | 68,658 | 98,573 | 156.1 | 206.8 | 120.7 | 137.1 | 175.0 | 172.8 | 240.8 | 99.0 | 142.4 |
| 85 & Older | 204 | 93 | 111 | 49,930 | 17,160 | 32,770 | 408.6 | 542.0 | 338.7 | 352.5 | 464.6 | 431.8 | 652.1 | 275.7 | 401.7 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 729 | 382 | 347 | 12,002,966 | 6,141,754 | 5,861,212 | 6.1 | 6.2 | 5.9 | 5.6 | 6.5 | 5.6 | 6.8 | 5.3 | 6.5 |
| Age-Adjusted | | | | | | | 17.8 | 23.1 | 14.3 | 16.4 | 19.1 | 20.6 | 25.5 | 12.7 | 15.8 |

Note : Rates are per 100,000 population. ICD-10 codes J40-J47.

Year 2000 U.S. Standard Population is used for age-adjusted rates.

American Indian, Asian, Black, Pacific Islander, White and Two or More Races exclude Hispanic ethnicity.

Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

+ Standard error indeterminate, death rate based on no (zero) deaths.

- Confidence limit is not calculated for no (zero) deaths.

¹ Includes deaths for Two or More Races (15) not individually shown due to unreliable rates.

Source : State of California, Department of Finance; Population Projections with Age, Sex, and Race/Ethnic Detail, 2000-2050, May 2004.

State of California, Department of Health Services, Death Records

TABLE 2 (Continued)
CHRONIC LOWER RESPIRATORY DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2002
(By Place of Residence)

| AGE GROUPS | DEATHS | | | POPULATION | | | RATES | | | 95% CONFIDENCE LIMITS | | | | | |
|--------------------|--------|-------|--------|------------|------------|------------|---------|---------|---------|-----------------------|-------|-------|---------|--------|---------|
| | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | | MALE | | FEMALE | |
| | | | | | | | | | | LOWER | UPPER | LOWER | UPPER | LOWER | UPPER |
| TOTAL ¹ | | | | | | | | | | | | | | | |
| Under 1 | 8 | 4 | 4 | 516,411 | 263,488 | 252,923 | 1.5 * | 1.5 * | 1.6 * | 0.5 | 2.6 | 0.0 | 3.0 | 0.0 | 3.1 |
| 1 to 4 | 6 | 4 | 2 | 1,976,342 | 1,010,549 | 965,793 | 0.3 * | 0.4 * | 0.2 * | 0.1 | 0.5 | 0.0 | 0.8 | 0.0 | 0.5 |
| 5 to 14 | 12 | 4 | 8 | 5,412,306 | 2,773,346 | 2,638,960 | 0.2 * | 0.1 * | 0.3 * | 0.1 | 0.3 | 0.0 | 0.3 | 0.1 | 0.5 |
| 15 to 24 | 19 | 14 | 5 | 5,045,468 | 2,631,609 | 2,413,859 | 0.4 | 0.5 * | 0.2 * | 0.2 | 0.5 | 0.3 | 0.8 | 0.0 | 0.4 |
| 25 to 34 | 34 | 22 | 12 | 5,288,247 | 2,724,113 | 2,564,134 | 0.6 | 0.8 | 0.5 * | 0.4 | 0.9 | 0.5 | 1.1 | 0.2 | 0.7 |
| 35 to 44 | 107 | 52 | 55 | 5,607,549 | 2,846,141 | 2,761,408 | 1.9 | 1.8 | 2.0 | 1.5 | 2.3 | 1.3 | 2.3 | 1.5 | 2.5 |
| 45 to 54 | 332 | 170 | 162 | 4,679,130 | 2,308,857 | 2,370,273 | 7.1 | 7.4 | 6.8 | 6.3 | 7.9 | 6.3 | 8.5 | 5.8 | 7.9 |
| 55 to 64 | 985 | 499 | 486 | 2,962,280 | 1,429,870 | 1,532,410 | 33.3 | 34.9 | 31.7 | 31.2 | 35.3 | 31.8 | 38.0 | 28.9 | 34.5 |
| 65 to 74 | 2,790 | 1,347 | 1,443 | 1,954,020 | 896,870 | 1,057,150 | 142.8 | 150.2 | 136.5 | 137.5 | 148.1 | 142.2 | 158.2 | 129.5 | 143.5 |
| 75 to 84 | 5,125 | 2,476 | 2,649 | 1,383,065 | 571,663 | 811,402 | 370.6 | 433.1 | 326.5 | 360.4 | 380.7 | 416.1 | 450.2 | 314.0 | 338.9 |
| 85 & Older | 3,225 | 1,287 | 1,938 | 513,989 | 171,306 | 342,683 | 627.4 | 751.3 | 565.5 | 605.8 | 649.1 | 710.2 | 792.3 | 540.4 | 590.7 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 12,643 | 5,879 | 6,764 | 35,338,807 | 17,627,812 | 17,710,995 | 35.8 | 33.4 | 38.2 | 35.2 | 36.4 | 32.5 | 34.2 | 37.3 | 39.1 |
| Age-Adjusted | | | | | | | 40.2 | 45.6 | 36.6 | 39.5 | 40.9 | 44.4 | 46.7 | 35.7 | 37.5 |
| PACIFIC ISLANDER | | | | | | | | | | | | | | | |
| Under 1 | 0 | 0 | 0 | 1,380 | 704 | 676 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 1 to 4 | 0 | 0 | 0 | 6,245 | 3,232 | 3,013 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 5 to 14 | 0 | 0 | 0 | 20,353 | 10,399 | 9,954 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 15 to 24 | 0 | 0 | 0 | 20,827 | 10,624 | 10,203 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 25 to 34 | 1 | 0 | 1 | 20,421 | 10,039 | 10,382 | 4.9 * | 0.0 + | 9.6 * | 0.0 | 14.5 | - | - | 0.0 | 28.5 |
| 35 to 44 | 2 | 1 | 1 | 20,560 | 10,290 | 10,270 | 9.7 * | 9.7 * | 9.7 * | 0.0 | 23.2 | 0.0 | 28.8 | 0.0 | 28.8 |
| 45 to 54 | 2 | 1 | 1 | 14,309 | 7,090 | 7,219 | 14.0 * | 14.1 * | 13.9 * | 0.0 | 33.3 | 0.0 | 41.7 | 0.0 | 41.0 |
| 55 to 64 | 3 | 2 | 1 | 8,156 | 3,960 | 4,196 | 36.8 * | 50.5 * | 23.8 * | 0.0 | 78.4 | 0.0 | 120.5 | 0.0 | 70.5 |
| 65 to 74 | 8 | 4 | 4 | 4,585 | 2,196 | 2,389 | 174.5 * | 182.1 * | 167.4 * | 53.6 | 295.4 | 3.6 | 360.7 | 3.3 | 331.5 |
| 75 to 84 | 5 | 4 | 1 | 1,925 | 831 | 1,094 | 259.7 * | 481.3 * | 91.4 * | 32.1 | 487.4 | 9.6 | 953.1 | 0.0 | 270.6 |
| 85 & Older | 3 | 1 | 2 | 643 | 261 | 382 | 466.6 * | 383.1 * | 523.6 * | 0.0 | 994.5 | 0.0 | 1,134.1 | 0.0 | 1,249.2 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 24 | 13 | 11 | 119,404 | 59,626 | 59,778 | 20.1 | 21.8 * | 18.4 * | 12.1 | 28.1 | 10.0 | 33.7 | 7.5 | 29.3 |
| Age-Adjusted | | | | | | | 37.7 | 47.4 * | 30.1 * | 21.6 | 53.9 | 19.5 | 75.4 | 11.3 | 48.9 |
| WHITE | | | | | | | | | | | | | | | |
| Under 1 | 2 | 1 | 1 | 150,846 | 76,936 | 73,910 | 1.3 * | 1.3 * | 1.4 * | 0.0 | 3.2 | 0.0 | 3.8 | 0.0 | 4.0 |
| 1 to 4 | 2 | 1 | 1 | 613,463 | 314,208 | 299,255 | 0.3 * | 0.3 * | 0.3 * | 0.0 | 0.8 | 0.0 | 0.9 | 0.0 | 1.0 |
| 5 to 14 | 1 | 0 | 1 | 1,819,031 | 935,673 | 883,358 | 0.1 * | 0.0 + | 0.1 * | 0.0 | 0.2 | - | - | 0.0 | 0.3 |
| 15 to 24 | 7 | 4 | 3 | 1,802,388 | 930,873 | 871,515 | 0.4 * | 0.4 * | 0.3 * | 0.1 | 0.7 | 0.0 | 0.9 | 0.0 | 0.7 |
| 25 to 34 | 14 | 9 | 5 | 1,956,447 | 999,574 | 956,873 | 0.7 * | 0.9 * | 0.5 * | 0.3 | 1.1 | 0.3 | 1.5 | 0.1 | 1.0 |
| 35 to 44 | 61 | 32 | 29 | 2,625,877 | 1,342,353 | 1,283,524 | 2.3 | 2.4 | 2.3 | 1.7 | 2.9 | 1.6 | 3.2 | 1.4 | 3.1 |
| 45 to 54 | 238 | 125 | 113 | 2,599,031 | 1,304,396 | 1,294,635 | 9.2 | 9.6 | 8.7 | 8.0 | 10.3 | 7.9 | 11.3 | 7.1 | 10.3 |
| 55 to 64 | 777 | 372 | 405 | 1,825,358 | 898,529 | 926,829 | 42.6 | 41.4 | 43.7 | 39.6 | 45.6 | 37.2 | 45.6 | 39.4 | 48.0 |
| 65 to 74 | 2,362 | 1,107 | 1,255 | 1,242,058 | 582,927 | 659,131 | 190.2 | 189.9 | 190.4 | 182.5 | 197.8 | 178.7 | 201.1 | 179.9 | 200.9 |
| 75 to 84 | 4,385 | 2,020 | 2,365 | 996,270 | 411,887 | 584,383 | 440.1 | 490.4 | 404.7 | 427.1 | 453.2 | 469.0 | 511.8 | 388.4 | 421.0 |
| 85 & Older | 2,722 | 1,032 | 1,690 | 391,271 | 127,805 | 263,466 | 695.7 | 807.5 | 641.4 | 669.5 | 721.8 | 758.2 | 856.7 | 610.9 | 672.0 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 10,571 | 4,703 | 5,868 | 16,022,040 | 7,925,161 | 8,096,879 | 66.0 | 59.3 | 72.5 | 64.7 | 67.2 | 57.6 | 61.0 | 70.6 | 74.3 |
| Age-Adjusted | | | | | | | 48.6 | 52.6 | 46.2 | 47.7 | 49.5 | 51.1 | 54.1 | 45.0 | 47.4 |

Note : Rates are per 100,000 population. ICD-10 codes J40-J47.

Year 2000 U.S. Standard Population is used for age-adjusted rates.

American Indian, Asian, Black, Pacific Islander, White and Two or More Races exclude Hispanic ethnicity.

Hispanic includes any race category.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

+ Standard error indeterminate, death rate based on no (zero) deaths.

- Confidence limit is not calculated for no (zero) deaths.

¹ Includes deaths for Two or More Races (15) not individually shown due to unreliable rates.

Source : State of California, Department of Finance; Population Projections with Age, Sex, and Race/Ethnic Detail, 2000-2050, May 2004.
State of California, Department of Health Services, Death Records

TABLE 3
CHRONIC LOWER RESPIRATORY DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2001
(By Place of Residence)

| AGE GROUPS | DEATHS | | | POPULATION | | | RATES | | | 95% CONFIDENCE LIMITS | | | | | | | |
|-----------------|--------|-------|--------|------------|------------|------------|---------|---------|---------|-----------------------|-------|-------|-------|-------|-------|--------|-------|
| | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | UPPER | LOWER | MALE | UPPER | LOWER | FEMALE | UPPER |
| TOTAL | | | | | | | | | | | | | | | | | |
| Under 1 | 8 | 4 | 4 | 518,927 | 264,741 | 254,186 | 1.5 * | 1.5 * | 1.6 * | 0.5 | 2.6 | 0.0 | 3.0 | 0.0 | 3.1 | | |
| 1 to 4 | 6 | 3 | 3 | 1,960,105 | 1,002,866 | 957,239 | 0.3 * | 0.3 * | 0.3 * | 0.1 | 0.6 | 0.0 | 0.6 | 0.0 | 0.7 | | |
| 5 to 14 | 11 | 7 | 4 | 5,377,327 | 2,755,213 | 2,622,114 | 0.2 * | 0.3 * | 0.2 * | 0.1 | 0.3 | 0.1 | 0.4 | 0.0 | 0.3 | | |
| 15 to 24 | 26 | 16 | 10 | 4,956,819 | 2,584,393 | 2,372,426 | 0.5 | 0.6 * | 0.4 * | 0.3 | 0.7 | 0.3 | 0.9 | 0.2 | 0.7 | | |
| 25 to 34 | 36 | 22 | 14 | 5,284,524 | 2,720,908 | 2,563,616 | 0.7 | 0.8 | 0.5 * | 0.5 | 0.9 | 0.5 | 1.1 | 0.3 | 0.8 | | |
| 35 to 44 | 125 | 59 | 66 | 5,566,274 | 2,820,571 | 2,745,703 | 2.2 | 2.1 | 2.4 | 1.9 | 2.6 | 1.6 | 2.6 | 1.8 | 3.0 | | |
| 45 to 54 | 367 | 189 | 178 | 4,552,753 | 2,244,282 | 2,308,471 | 8.1 | 8.4 | 7.7 | 7.2 | 8.9 | 7.2 | 9.6 | 6.6 | 8.8 | | |
| 55 to 64 | 1,091 | 564 | 527 | 2,774,474 | 1,337,024 | 1,437,450 | 39.3 | 42.2 | 36.7 | 37.0 | 41.7 | 38.7 | 45.7 | 33.5 | 39.8 | | |
| 65 to 74 | 2,933 | 1,417 | 1,516 | 1,920,122 | 876,170 | 1,043,952 | 152.8 | 161.7 | 145.2 | 147.2 | 158.3 | 153.3 | 170.1 | 137.9 | 152.5 | | |
| 75 to 84 | 5,220 | 2,487 | 2,733 | 1,341,150 | 551,924 | 789,226 | 389.2 | 450.6 | 346.3 | 378.7 | 399.8 | 432.9 | 468.3 | 333.3 | 359.3 | | |
| 85 & Older | 3,233 | 1,294 | 1,939 | 477,265 | 155,766 | 321,499 | 677.4 | 830.7 | 603.1 | 654.1 | 700.8 | 785.5 | 876.0 | 576.3 | 630.0 | | |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | | | |
| Total | 13,056 | 6,062 | 6,994 | 34,729,740 | 17,313,858 | 17,415,882 | 37.6 | 35.0 | 40.2 | 36.9 | 38.2 | 34.1 | 35.9 | 39.2 | 41.1 | | |
| Age-Adjusted | | | | | | | 43.2 | 49.2 | 39.3 | 42.4 | 43.9 | 47.9 | 50.4 | 38.4 | 40.2 | | |
| AMERICAN INDIAN | | | | | | | | | | | | | | | | | |
| Under 1 | 0 | 0 | 0 | 1,038 | 535 | 503 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - | | |
| 1 to 4 | 0 | 0 | 0 | 10,963 | 5,601 | 5,362 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - | | |
| 5 to 14 | 0 | 0 | 0 | 35,606 | 18,114 | 17,492 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - | | |
| 15 to 24 | 1 | 1 | 0 | 33,978 | 17,440 | 16,538 | 2.9 * | 5.7 * | 0.0 + | 0.0 | 8.7 | 0.0 | 17.0 | - | - | | |
| 25 to 34 | 0 | 0 | 0 | 30,478 | 15,239 | 15,239 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - | | |
| 35 to 44 | 1 | 0 | 1 | 37,042 | 18,030 | 19,012 | 2.7 * | 0.0 + | 5.3 * | 0.0 | 8.0 | - | - | 0.0 | 15.6 | | |
| 45 to 54 | 3 | 2 | 1 | 32,579 | 15,481 | 17,098 | 9.2 * | 12.9 * | 5.8 * | 0.0 | 19.6 | 0.0 | 30.8 | 0.0 | 17.3 | | |
| 55 to 64 | 2 | 0 | 2 | 18,780 | 9,021 | 9,759 | 10.6 * | 0.0 + | 20.5 * | 0.0 | 25.4 | - | - | 0.0 | 48.9 | | |
| 65 to 74 | 7 | 4 | 3 | 9,505 | 4,399 | 5,106 | 73.6 * | 90.9 * | 58.8 * | 19.1 | 128.2 | 1.8 | 180.0 | 0.0 | 125.2 | | |
| 75 to 84 | 21 | 10 | 11 | 4,872 | 1,990 | 2,882 | 431.0 | 502.5 * | 381.7 * | 246.7 | 615.4 | 191.1 | 814.0 | 156.1 | 607.2 | | |
| 85 & Older | 8 | 3 | 5 | 2,163 | 734 | 1,429 | 369.9 * | 408.7 * | 349.9 * | 113.6 | 626.2 | 0.0 | 871.2 | 43.2 | 656.6 | | |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | | | |
| Total | 43 | 20 | 23 | 217,004 | 106,584 | 110,420 | 19.8 | 18.8 | 20.8 | 13.9 | 25.7 | 10.5 | 27.0 | 12.3 | 29.3 | | |
| Age-Adjusted | | | | | | | 32.9 | 37.4 * | 29.9 | 22.8 | 43.1 | 20.4 | 54.4 | 17.4 | 42.3 | | |
| ASIAN | | | | | | | | | | | | | | | | | |
| Under 1 | 1 | 1 | 0 | 47,353 | 24,180 | 23,173 | 2.1 * | 4.1 * | 0.0 + | 0.0 | 6.3 | 0.0 | 12.2 | - | - | | |
| 1 to 4 | 0 | 0 | 0 | 175,354 | 90,196 | 85,158 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - | | |
| 5 to 14 | 1 | 0 | 1 | 506,076 | 261,333 | 244,743 | 0.2 * | 0.0 + | 0.4 * | 0.0 | 0.6 | - | - | 0.0 | 1.2 | | |
| 15 to 24 | 3 | 3 | 0 | 558,118 | 283,682 | 274,436 | 0.5 * | 1.1 * | 0.0 + | 0.0 | 1.1 | 0.0 | 2.3 | - | - | | |
| 25 to 34 | 1 | 1 | 0 | 652,150 | 316,603 | 335,547 | 0.2 * | 0.3 * | 0.0 + | 0.0 | 0.5 | 0.0 | 0.9 | - | - | | |
| 35 to 44 | 4 | 3 | 1 | 654,655 | 311,736 | 342,919 | 0.6 * | 1.0 * | 0.3 * | 0.0 | 1.2 | 0.0 | 2.1 | 0.0 | 0.9 | | |
| 45 to 54 | 19 | 14 | 5 | 559,132 | 259,407 | 299,725 | 3.4 | 5.4 * | 1.7 * | 1.9 | 4.9 | 2.6 | 8.2 | 0.2 | 3.1 | | |
| 55 to 64 | 39 | 26 | 13 | 317,844 | 147,600 | 170,244 | 12.3 | 17.6 | 7.6 * | 8.4 | 16.1 | 10.8 | 24.4 | 3.5 | 11.8 | | |
| 65 to 74 | 119 | 72 | 47 | 226,106 | 97,488 | 128,618 | 52.6 | 73.9 | 36.5 | 43.2 | 62.1 | 56.8 | 90.9 | 26.1 | 47.0 | | |
| 75 to 84 | 215 | 156 | 59 | 127,700 | 54,562 | 73,138 | 168.4 | 285.9 | 80.7 | 145.9 | 190.9 | 241.0 | 330.8 | 60.1 | 101.3 | | |
| 85 & Older | 187 | 117 | 70 | 36,199 | 14,378 | 21,821 | 516.6 | 813.7 | 320.8 | 442.5 | 590.6 | 666.3 | 961.2 | 245.6 | 395.9 | | |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | | | |
| Total | 589 | 393 | 196 | 3,860,687 | 1,861,165 | 1,999,522 | 15.3 | 21.1 | 9.8 | 14.0 | 16.5 | 19.0 | 23.2 | 8.4 | 11.2 | | |
| Age-Adjusted | | | | | | | 20.8 | 33.0 | 12.0 | 19.1 | 22.5 | 29.7 | 36.3 | 10.3 | 13.7 | | |
| BLACK | | | | | | | | | | | | | | | | | |
| Under 1 | 1 | 0 | 1 | 28,498 | 14,527 | 13,971 | 3.5 * | 0.0 + | 7.2 * | 0.0 | 10.4 | - | - | 0.0 | 21.2 | | |
| 1 to 4 | 0 | 0 | 0 | 129,558 | 65,928 | 63,630 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - | | |
| 5 to 14 | 3 | 1 | 2 | 405,206 | 205,997 | 199,209 | 0.7 * | 0.5 * | 1.0 * | 0.0 | 1.6 | 0.0 | 1.4 | 0.0 | 2.4 | | |
| 15 to 24 | 7 | 6 | 1 | 341,761 | 176,140 | 165,621 | 2.0 * | 3.4 * | 0.6 * | 0.5 | 3.6 | 0.7 | 6.1 | 0.0 | 1.8 | | |
| 25 to 34 | 13 | 8 | 5 | 328,784 | 162,827 | 165,957 | 4.0 * | 4.9 * | 3.0 * | 1.8 | 6.1 | 1.5 | 8.3 | 0.4 | 5.7 | | |
| 35 to 44 | 25 | 12 | 13 | 390,384 | 194,372 | 196,012 | 6.4 | 6.2 * | 6.6 * | 3.9 | 8.9 | 2.7 | 9.7 | 3.0 | 10.2 | | |
| 45 to 54 | 59 | 29 | 30 | 289,801 | 140,000 | 149,801 | 20.4 | 20.7 | 20.0 | 15.2 | 25.6 | 13.2 | 28.3 | 12.9 | 27.2 | | |
| 55 to 64 | 97 | 60 | 37 | 170,354 | 79,371 | 90,983 | 56.9 | 75.6 | 40.7 | 45.6 | 68.3 | 56.5 | 94.7 | 27.6 | 53.8 | | |
| 65 to 74 | 163 | 96 | 67 | 108,917 | 48,723 | 60,194 | 149.7 | 197.0 | 111.3 | 126.7 | 172.6 | 157.6 | 236.4 | 84.7 | 138.0 | | |
| 75 to 84 | 178 | 101 | 77 | 60,927 | 23,448 | 37,479 | 292.2 | 430.7 | 205.4 | 249.2 | 335.1 | 346.7 | 514.7 | 159.6 | 251.3 | | |
| 85 & Older | 106 | 48 | 58 | 21,657 | 6,331 | 15,326 | 489.4 | 758.2 | 378.4 | 396.3 | 582.6 | 543.7 | 972.7 | 281.0 | 475.8 | | |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | | | |
| Total | 652 | 361 | 291 | 2,275,847 | 1,117,664 | 1,158,183 | 28.6 | 32.3 | 25.1 | 26.4 | 30.8 | 29.0 | 35.6 | 22.2 | 28.0 | | |
| Age-Adjusted | | | | | | | 40.3 | 55.7 | 30.5 | 37.2 | 43.4 | 49.6 | 61.7 | 27.0 | 34.0 | | |
| HISPANIC | | | | | | | | | | | | | | | | | |
| Under 1 | 2 | 1 | 1 | 253,961 | 129,573 | 124,388 | 0.8 * | 0.8 * | 0.8 * | 0.0 | 1.9 | 0.0 | 2.3 | 0.0 | 2.4 | | |
| 1 to 4 | 4 | 2 | 2 | 938,287 | 479,043 | 459,244 | 0.4 * | 0.4 * | 0.4 * | 0.0 | 0.8 | 0.0 | 1.0 | 0.0 | 1.0 | | |
| 5 to 14 | 2 | 2 | 0 | 2,385,392 | 1,219,250 | 1,166,142 | 0.1 * | 0.2 * | 0.0 + | 0.0 | 0.2 | 0.0 | 0.4 | - | - | | |
| 15 to 24 | 6 | 3 | 3 | 2,090,373 | 1,113,138 | 977,235 | 0.3 * | 0.3 * | 0.3 * | 0.1 | 0.5 | 0.0 | 0.6 | 0.0 | 0.7 | | |
| 25 to 34 | 6 | 2 | 4 | 2,148,856 | 1,142,461 | 1,006,395 | 0.3 * | 0.2 * | 0.4 * | 0.1 | 0.5 | 0.0 | 0.4 | 0.0 | 0.8 | | |
| 35 to 44 | 13 | 6 | 7 | 1,698,401 | 876,555 | 821,846 | 0.8 * | 0.7 * | 0.9 * | 0.3 | 1.2 | 0.1 | 1.2 | 0.2 | 1.5 | | |
| 45 to 54 | 37 | 13 | 24 | 1,013,711 | 498,885 | 514,826 | 3.6 | 2.6 * | 4.7 | 2.5 | 4.8 | 1.2 | 4.0 | 2.8 | 6.5 | | |
| 55 to 64 | 63 | 34 | 29 | 515,325 | 240,811 | 274,514 | 12.2 | 14.1 | 10.6 | 9.2 | 15.2 | 9.4 | 18.9 | 6.7 | 14.4 | | |
| 65 to 74 | 170 | 90 | 80 | 315,002 | 138,023 | 176,979 | 54.0 | 65.2 | 45.2 | 45.9 | 62.1 | 51.7 | 78.7 | 35.3 | 55.1 | | |
| 75 to 84 | 272 | 141 | 131 | 153,901 | 62,845 | 91,056 | 176.7 | 224.4 | 143.9 | 155.7 | 197.7 | 187.3 | 261.4 | 119.2 | 168.5 | | |
| 85 & Older | 205 | 103 | 102 | 44,732 | 15,161 | 29,571 | 458.3 | 679.4 | 344.9 | 395.5 | 521.0 | 548.2 | 810.6 | 278.0 | 411.9 | | |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | | | |
| Total | 780 | 397 | 383 | 11,557,941 | 5,915,745 | 5,642,196 | 6.7 | 6.7 | 6.8 | 6.3 | 7.2 | 6.1 | 7.4 | 6.1 | 7.5 | | |
| Age-Adjusted | | | | | | | 20.4 | 26.7 | 16.6 | 18.9 | 21.9 | 23.9 | 29.5 | 14.9 | 18.3 | | |
| WHITE | | | | | | | | | | | | | | | | | |
| Under 1 | 4 | 2 | 2 | 153,306 | 78,168 | 75,138 | 2.6 * | 2.6 * | 2.7 * | 0.1 | 5.2 | 0.0 | 6.1 | 0.0 | 6.4 | | |
| 1 to 4 | 2 | 1 | 1 | 624,482 | 320,442 | 304,040 | 0.3 * | 0.3 * | 0.3 * | 0.0 | 0.8 | 0.0 | 0.9 | 0.0 | 1.0 | | |
| 5 to 14 | 5 | 4 | 1 | 1,862,124 | 957,903 | 904,221 | 0.3 * | 0.4 * | 0.1 * | 0.0 | 0.5 | 0.0 | 0.8 | 0.0 | 0.3 | | |
| 15 to 24 | 9 | 3 | 6 | 1,796,019 | 926,636 | 869,383 | 0.5 * | 0.3 * | 0.7 * | 0.2 | 0.8 | 0.0 | 0.7 | 0.1 | 1.2 | | |
| 25 to 34 | 16 | 11 | 5 | 2,022,119 | 1,034,396 | 987,723 | 0.8 * | 1.1 * | 0.5 * | 0. | | | | | | | |

TABLE 4
CHRONIC LOWER RESPIRATORY DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2000
(By Place of Residence)

| AGE GROUPS | DEATHS | | | POPULATION | | | RATES | | | 95% CONFIDENCE LIMITS | | | | | |
|-----------------|--------|-------|--------|------------|------------|------------|---------|---------|---------|-----------------------|-------|-------|---------|--------|-------|
| | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | TOTAL | | MALE | | FEMALE | |
| | | | | | | | | | | LOWER | UPPER | LOWER | UPPER | LOWER | UPPER |
| TOTAL | | | | | | | | | | | | | | | |
| Under 1 | 7 | 4 | 3 | 491,073 | 251,541 | 239,532 | 1.4 * | 1.6 * | 1.3 * | 0.4 | 2.5 | 0.0 | 3.1 | 0.0 | 2.7 |
| 1 to 4 | 7 | 3 | 4 | 1,990,873 | 1,018,496 | 972,377 | 0.4 * | 0.3 * | 0.4 * | 0.1 | 0.6 | 0.0 | 0.6 | 0.0 | 0.8 |
| 5 to 14 | 21 | 14 | 7 | 5,310,526 | 2,720,715 | 2,589,811 | 0.4 | 0.5 * | 0.3 * | 0.2 | 0.6 | 0.2 | 0.8 | 0.1 | 0.5 |
| 15 to 24 | 14 | 6 | 8 | 4,860,696 | 2,532,547 | 2,328,149 | 0.3 * | 0.2 * | 0.3 * | 0.1 | 0.4 | 0.0 | 0.4 | 0.1 | 0.6 |
| 25 to 34 | 32 | 19 | 13 | 5,245,273 | 2,702,010 | 2,543,263 | 0.6 | 0.7 | 0.5 * | 0.4 | 0.8 | 0.4 | 1.0 | 0.2 | 0.8 |
| 35 to 44 | 120 | 61 | 59 | 5,499,218 | 2,780,657 | 2,718,561 | 2.2 | 2.2 | 2.2 | 1.8 | 2.6 | 1.6 | 2.7 | 1.6 | 2.7 |
| 45 to 54 | 378 | 206 | 172 | 4,376,695 | 2,156,077 | 2,220,618 | 8.6 | 9.6 | 7.7 | 7.8 | 9.5 | 8.2 | 10.9 | 6.6 | 8.9 |
| 55 to 64 | 1,013 | 499 | 514 | 2,641,560 | 1,270,830 | 1,370,730 | 38.3 | 39.3 | 37.5 | 36.0 | 40.7 | 35.8 | 42.7 | 34.3 | 40.7 |
| 65 to 74 | 2,933 | 1,516 | 1,417 | 1,894,010 | 858,793 | 1,035,217 | 154.9 | 176.5 | 136.9 | 149.3 | 160.5 | 167.6 | 185.4 | 129.8 | 144.0 |
| 75 to 84 | 5,103 | 2,446 | 2,657 | 1,294,989 | 530,932 | 764,057 | 394.1 | 460.7 | 347.7 | 383.2 | 404.9 | 442.4 | 479.0 | 334.5 | 361.0 |
| 85 & Older | 3,123 | 1,336 | 1,787 | 438,285 | 139,496 | 298,789 | 712.6 | 957.7 | 598.1 | 687.6 | 737.5 | 906.4 | 1,009.1 | 570.4 | 625.8 |
| Unknown | 3 | 2 | 1 | | | | | | | | | | | | |
| Total | 12,754 | 6,112 | 6,642 | 34,043,198 | 16,962,094 | 17,081,104 | 37.5 | 36.0 | 38.9 | 36.8 | 38.1 | 35.1 | 36.9 | 37.9 | 39.8 |
| Age-Adjusted | | | | | | | 44.0 | 52.5 | 38.8 | 43.3 | 44.8 | 51.1 | 53.8 | 37.8 | 39.7 |
| AMERICAN INDIAN | | | | | | | | | | | | | | | |
| Under 1 | 0 | 0 | 0 | 2,114 | 1092 | 1022 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 1 to 4 | 0 | 0 | 0 | 10,167 | 5,187 | 4,980 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 5 to 14 | 0 | 0 | 0 | 31,221 | 15,950 | 15,271 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 15 to 24 | 0 | 0 | 0 | 29,523 | 15,222 | 14,301 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 25 to 34 | 0 | 0 | 0 | 27,859 | 14,045 | 13,814 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 35 to 44 | 0 | 0 | 0 | 33,478 | 16,332 | 17,146 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 45 to 54 | 1 | 1 | 0 | 28,222 | 13,455 | 14,767 | 3.5 * | 7.4 * | 0.0 + | 0.0 | 10.5 | 0.0 | 22.0 | - | - |
| 55 to 64 | 11 | 6 | 5 | 16,150 | 7,762 | 8,388 | 68.1 * | 77.3 * | 59.6 * | 27.9 | 108.4 | 15.4 | 139.2 | 7.4 | 111.9 |
| 65 to 74 | 21 | 11 | 10 | 8,411 | 3,901 | 4,510 | 249.7 | 282.0 * | 221.7 * | 142.9 | 356.5 | 115.3 | 448.6 | 84.3 | 359.2 |
| 75 to 84 | 7 | 2 | 5 | 4,190 | 1,699 | 2,491 | 167.1 * | 117.7 * | 200.7 * | 43.3 | 290.8 | 0.0 | 280.9 | 24.8 | 376.7 |
| 85 & Older | 6 | 3 | 3 | 1,418 | 448 | 970 | 423.1 * | 669.6 * | 309.3 * | 84.6 | 761.7 | 0.0 | 1,427.4 | 0.0 | 659.3 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 46 | 23 | 23 | 192,753 | 95,093 | 97,660 | 23.9 | 24.2 | 23.6 | 17.0 | 30.8 | 14.3 | 34.1 | 13.9 | 33.2 |
| Age-Adjusted | | | | | | | 37.0 | 42.0 | 33.6 | 25.9 | 48.0 | 23.4 | 60.6 | 19.7 | 47.6 |
| ASIAN | | | | | | | | | | | | | | | |
| Under 1 | 1 | 0 | 1 | 42,844 | 21,965 | 20,879 | 2.3 * | 0.0 + | 4.8 * | 0.0 | 6.9 | - | - | 0.0 | 14.2 |
| 1 to 4 | 0 | 0 | 0 | 177,521 | 91,373 | 86,148 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 5 to 14 | 3 | 2 | 1 | 498,621 | 257,574 | 241,047 | 0.6 * | 0.8 * | 0.4 * | 0.0 | 1.3 | 0.0 | 1.9 | 0.0 | 1.2 |
| 15 to 24 | 0 | 0 | 0 | 552,160 | 279,314 | 272,846 | 0.0 + | 0.0 + | 0.0 + | - | - | - | - | - | - |
| 25 to 34 | 3 | 2 | 1 | 642,906 | 311,655 | 331,251 | 0.5 * | 0.6 * | 0.3 * | 0.0 | 1.0 | 0.0 | 1.5 | 0.0 | 0.9 |
| 35 to 44 | 6 | 4 | 2 | 639,658 | 302,953 | 336,705 | 0.9 * | 1.3 * | 0.6 * | 0.2 | 1.7 | 0.0 | 2.6 | 0.0 | 1.4 |
| 45 to 54 | 26 | 20 | 6 | 528,556 | 245,171 | 283,385 | 4.9 | 8.2 | 2.1 * | 3.0 | 6.8 | 4.6 | 11.7 | 0.4 | 3.8 |
| 55 to 64 | 28 | 18 | 10 | 300,494 | 138,840 | 161,654 | 9.3 | 13.0 * | 6.2 * | 5.9 | 12.8 | 7.0 | 19.0 | 2.4 | 10.0 |
| 65 to 74 | 117 | 74 | 43 | 217,029 | 93,082 | 123,947 | 53.9 | 79.5 | 34.7 | 44.1 | 63.7 | 61.4 | 97.6 | 24.3 | 45.1 |
| 75 to 84 | 205 | 141 | 64 | 116,423 | 49,861 | 66,562 | 176.1 | 282.8 | 96.2 | 152.0 | 200.2 | 236.1 | 329.5 | 72.6 | 119.7 |
| 85 & Older | 179 | 105 | 74 | 30,080 | 12,023 | 18,057 | 595.1 | 873.3 | 409.8 | 507.9 | 682.3 | 706.3 | 1,040.4 | 316.4 | 503.2 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 568 | 366 | 202 | 3,746,292 | 1,803,811 | 1,942,481 | 15.2 | 20.3 | 10.4 | 13.9 | 16.4 | 18.2 | 22.4 | 9.0 | 11.8 |
| Age-Adjusted | | | | | | | 22.5 | 34.1 | 14.0 | 20.6 | 24.4 | 30.5 | 37.7 | 12.1 | 16.0 |
| BLACK | | | | | | | | | | | | | | | |
| Under 1 | 1 | 1 | 0 | 29,741 | 15,112 | 14,629 | 3.4 * | 6.6 * | 0.0 + | 0.0 | 10.0 | 0.0 | 19.6 | - | - |
| 1 to 4 | 2 | 1 | 1 | 132,430 | 67,365 | 65,065 | 1.5 * | 1.5 * | 1.5 * | 0.0 | 3.6 | 0.0 | 4.4 | 0.0 | 4.5 |
| 5 to 14 | 6 | 5 | 1 | 397,484 | 201,951 | 195,533 | 1.5 * | 2.5 * | 0.5 * | 0.3 | 2.7 | 0.3 | 4.6 | 0.0 | 1.5 |
| 15 to 24 | 4 | 3 | 1 | 326,641 | 167,718 | 158,923 | 1.2 * | 1.8 * | 0.6 * | 0.0 | 2.4 | 0.0 | 3.8 | 0.0 | 1.9 |
| 25 to 34 | 7 | 6 | 1 | 331,100 | 165,044 | 166,056 | 2.1 * | 3.6 * | 0.6 * | 0.5 | 3.7 | 0.7 | 6.5 | 0.0 | 1.8 |
| 35 to 44 | 39 | 20 | 19 | 383,161 | 190,459 | 192,702 | 10.2 | 10.5 | 9.9 | 7.0 | 13.4 | 5.9 | 15.1 | 5.4 | 14.3 |
| 45 to 54 | 56 | 31 | 25 | 274,820 | 132,042 | 142,778 | 20.4 | 23.5 | 17.5 | 15.0 | 25.7 | 15.2 | 31.7 | 10.6 | 24.4 |
| 55 to 64 | 94 | 51 | 43 | 164,079 | 76,569 | 87,510 | 57.3 | 66.6 | 49.1 | 45.7 | 68.9 | 48.3 | 84.9 | 34.5 | 63.8 |
| 65 to 74 | 153 | 102 | 51 | 105,017 | 46,402 | 58,615 | 145.7 | 219.8 | 87.0 | 122.6 | 168.8 | 177.2 | 262.5 | 63.1 | 110.9 |
| 75 to 84 | 164 | 86 | 78 | 58,654 | 22,382 | 36,272 | 279.6 | 384.2 | 215.0 | 236.8 | 322.4 | 303.0 | 465.4 | 167.3 | 262.8 |
| 85 & Older | 93 | 47 | 46 | 19,689 | 5,604 | 14,085 | 472.3 | 838.7 | 326.6 | 376.3 | 568.3 | 598.9 | 1,078.5 | 232.2 | 421.0 |
| Unknown | 1 | 0 | 1 | | | | | | | | | | | | |
| Total | 620 | 353 | 267 | 2,222,816 | 1,090,648 | 1,132,168 | 27.9 | 32.4 | 23.6 | 25.7 | 30.1 | 29.0 | 35.7 | 20.8 | 26.4 |
| Age-Adjusted | | | | | | | 39.7 | 56.7 | 29.0 | 36.5 | 42.9 | 50.4 | 63.0 | 25.5 | 32.5 |
| HISPANIC | | | | | | | | | | | | | | | |
| Under 1 | 4 | 2 | 2 | 237,496 | 121,585 | 115,911 | 1.7 * | 1.6 * | 1.7 * | 0.0 | 3.3 | 0.0 | 3.9 | 0.0 | 4.1 |
| 1 to 4 | 3 | 1 | 2 | 948,679 | 484,068 | 464,611 | 0.3 * | 0.2 * | 0.4 * | 0.0 | 0.7 | 0.0 | 0.6 | 0.0 | 1.0 |
| 5 to 14 | 5 | 3 | 2 | 2,299,957 | 1,175,384 | 1,124,573 | 0.2 * | 0.3 * | 0.2 * | 0.0 | 0.4 | 0.0 | 0.5 | 0.0 | 0.4 |
| 15 to 24 | 4 | 3 | 1 | 2,027,816 | 1,080,868 | 946,948 | 0.2 * | 0.3 * | 0.1 * | 0.0 | 0.4 | 0.0 | 0.6 | 0.0 | 0.3 |
| 25 to 34 | 4 | 3 | 1 | 2,060,173 | 1,095,849 | 964,324 | 0.2 * | 0.3 * | 0.1 * | 0.0 | 0.4 | 0.0 | 0.6 | 0.0 | 0.3 |
| 35 to 44 | 12 | 6 | 6 | 1,604,089 | 826,047 | 778,042 | 0.7 * | 0.7 * | 0.8 * | 0.3 | 1.2 | 0.1 | 1.3 | 0.2 | 1.4 |
| 45 to 54 | 23 | 13 | 10 | 941,053 | 462,923 | 478,130 | 2.4 | 2.8 * | 2.1 * | 1.4 | 3.4 | 1.3 | 4.3 | 0.8 | 3.4 |
| 55 to 64 | 61 | 34 | 27 | 481,558 | 224,626 | 256,932 | 12.7 | 15.1 | 10.5 | 9.5 | 15.8 | 10.0 | 20.2 | 6.5 | 14.5 |
| 65 to 74 | 155 | 95 | 60 | 300,409 | 131,275 | 169,134 | 51.6 | 72.4 | 35.5 | 43.5 | 59.7 | 57.8 | 86.9 | 26.5 | 44.5 |
| 75 to 84 | 240 | 124 | 116 | 141,486 | 57,595 | 83,891 | 169.6 | 215.3 | 138.3 | 148.2 | 191.1 | 177.4 | 253.2 | 113.1 | 163.4 |
| 85 & Older | 165 | 74 | 91 | 40,269 | 13,429 | 26,840 | 409.7 | 551.0 | 339.0 | 347.2 | 472.3 | 425.5 | 676.6 | 269.4 | 408.7 |
| Unknown | 0 | 0 | 0 | | | | | | | | | | | | |
| Total | 676 | 358 | 318 | 11,082,985 | 5,673,649 | 5,409,336 | 6.1 | 6.3 | 5.9 | 5.6 | 6.6 | 5.7 | 7.0 | 5.2 | 6.5 |
| Age-Adjusted | | | | | | | 19.1 | 24.9 | 15.2 | 17.5 | 20.6 | 22.1 | 27.7 | 13.5 | 16.9 |
| WHITE | | | | | | | | | | | | | | | |
| Under 1 | 1 | 1 | 0 | 155,299 | 79,680 | 75,619 | 0.6 * | 1.3 * | 0.0 + | 0.0 | 1.9 | 0.0 | 3.7 | - | - |
| 1 to 4 | 2 | 1 | 1 | 644,970 | 331,193 | 313,777 | 0.3 * | 0.3 * | 0.3 * | 0.0 | 0.7 | 0.0 | 0.9 | 0.0 | 0.9 |
| 5 to 14 | 7 | 4 | 3 | 1,904,163 | 979,233 | 924,930 | 0.4 * | 0.4 * | 0.3 * | 0.1 | 0.6 | 0.0 | 0.8 | 0.0 | 0.7 |
| 15 to 24 | 6 | 0 | 6 | 1,794,122 | 925,355 | 868,767 | 0.3 * | 0.0 + | 0.7 * | 0.1 | 0.6 | - | - | 0.1 | 1.2 |
| 25 to 34 | 18 | 8 | 10 | 2,083,017 | 1,066,877 | 1,016,140 | 0.9 * | 0.7 * | 1.0 * | 0.5 | 1.3 | 0.2 | 1.3 | 0.4 | 1.6 |
| 35 to 44 | 58 | 29 | 29 | 2,742,427 | 1,398,317 | 1,344,110 | 2.1 | 2.1 | 2.2 | 1.6 | 2.7 | 1.3 | 2.8 | 1.4 | 2.9 |
| 45 to 54 | 268 | 139 | 129 | 2,535,616 | 1,269,871 | 1,265,745 | 10.6 | 10.9 | 1 | | | | | | |

TABLE 5
CHRONIC LOWER RESPIRATORY DISEASE DEATHS
CALIFORNIA, 2001-2003
(By Place of Residence)

| COUNTY | 2001-2003 DEATHS (Average) | PERCENT | 2002 POPULATION | CRUDE RATE | AGE-ADJUSTED RATE | 95% CONFIDENCE LIMITS | |
|-----------------------------|----------------------------------|---------|--------------------|---------------|----------------------|-----------------------|-------|
| | | | | | | LOWER | UPPER |
| CALIFORNIA | 13,026.3 | 100.0 | 35,338,807 | 36.9 | 41.3 | 40.6 | 42.1 |
| ALAMEDA ¹ | 438.7 | 3.4 | 1,488,074 | 29.5 | 35.2 | 31.9 | 38.5 |
| ALPINE | 0.7 | a | 1,292 | 51.6 * | 57.2 * | 0.0 | 197.2 |
| AMADOR | 16.0 | 0.1 | 36,637 | 43.7 * | 31.3 * | 15.9 | 46.7 |
| BUTTE ¹ | 148.3 | 1.1 | 209,770 | 70.7 | 56.1 | 47.0 | 65.2 |
| CALAVERAS | 26.3 | 0.2 | 42,524 | 61.9 | 45.7 | 27.9 | 63.5 |
| COLUSA | 10.7 | 0.1 | 19,635 | 54.3 * | 60.6 * | 24.2 | 97.0 |
| CONTRA COSTA | 366.7 | 2.8 | 989,807 | 37.0 | 39.4 | 35.4 | 43.5 |
| DEL NORTE | 18.0 | 0.1 | 27,982 | 64.3 * | 63.2 * | 33.9 | 92.4 |
| EL DORADO | 76.7 | 0.6 | 165,463 | 46.3 | 47.9 | 37.1 | 58.6 |
| FRESNO | 301.7 | 2.3 | 836,207 | 36.1 | 45.4 | 40.2 | 50.5 |
| GLENN | 18.7 | 0.1 | 26,969 | 69.2 * | 65.6 * | 35.7 | 95.4 |
| HUMBOLDT ¹ | 93.7 | 0.7 | 128,492 | 72.9 | 72.7 | 58.0 | 87.5 |
| IMPERIAL | 44.3 | 0.3 | 149,360 | 29.7 | 39.0 | 27.4 | 50.7 |
| INYO | 15.0 | 0.1 | 18,456 | 81.3 * | 50.4 * | 24.4 | 76.3 |
| KERN ¹ | 350.3 | 2.7 | 697,856 | 50.2 | 59.8 | 53.5 | 66.1 |
| KINGS ¹ | 50.7 | 0.4 | 135,123 | 37.5 | 60.2 | 43.5 | 77.0 |
| LAKE ¹ | 64.3 | 0.5 | 61,352 | 104.9 | 72.7 | 54.9 | 90.6 |
| LASSEN | 12.3 | 0.1 | 34,129 | 36.1 * | 48.5 * | 21.2 | 75.7 |
| LOS ANGELES ¹ | 2,887.0 | 22.2 | 9,889,170 | 29.2 | 33.3 | 32.1 | 34.5 |
| MADERA | 48.7 | 0.4 | 129,585 | 37.6 | 40.3 | 29.0 | 51.6 |
| MARIN ¹ | 94.3 | 0.7 | 250,179 | 37.7 | 31.5 | 25.1 | 37.9 |
| MARIPOSA | 11.3 | 0.1 | 17,589 | 64.4 * | 49.8 * | 20.5 | 79.0 |
| MENDOCINO ¹ | 59.7 | 0.5 | 88,353 | 67.5 | 61.1 | 45.6 | 76.7 |
| MERCED ¹ | 92.7 | 0.7 | 223,904 | 41.4 | 58.2 | 46.3 | 70.1 |
| MODOC | 9.3 | 0.1 | 9,400 | 99.3 * | 68.2 * | 24.4 | 112.0 |
| MONO | 2.3 | a | 13,441 | 17.4 * | 21.6 * | 0.0 | 51.3 |
| MONTEREY | 119.0 | 0.9 | 413,819 | 28.8 | 35.6 | 29.2 | 41.9 |
| NAPA | 74.3 | 0.6 | 128,966 | 57.6 | 43.6 | 33.5 | 53.6 |
| NEVADA | 60.0 | 0.5 | 96,045 | 62.5 | 46.1 | 34.4 | 57.8 |
| ORANGE ¹ | 892.7 | 6.9 | 2,959,646 | 30.2 | 37.3 | 34.9 | 39.8 |
| PLACER | 133.3 | 1.0 | 273,338 | 48.8 | 44.5 | 36.9 | 52.0 |
| PLUMAS | 17.0 | 0.1 | 21,117 | 80.5 * | 52.9 * | 27.7 | 78.2 |
| RIVERSIDE ¹ | 951.0 | 7.3 | 1,682,408 | 56.5 | 56.5 | 52.9 | 60.1 |
| SACRAMENTO ¹ | 573.3 | 4.4 | 1,302,647 | 44.0 | 48.8 | 44.8 | 52.8 |
| SAN BENITO | 12.3 | 0.1 | 55,955 | 22.0 * | 34.0 * | 14.9 | 53.0 |
| SAN BERNARDINO ¹ | 789.0 | 6.1 | 1,816,398 | 43.4 | 64.6 | 60.0 | 69.1 |
| SAN DIEGO | 1,089.0 | 8.4 | 2,944,585 | 37.0 | 41.7 | 39.2 | 44.2 |
| SAN FRANCISCO ¹ | 280.3 | 2.2 | 788,292 | 35.6 | 31.8 | 28.1 | 35.6 |
| SAN JOAQUIN ¹ | 289.7 | 2.2 | 607,896 | 47.7 | 59.8 | 52.9 | 66.7 |
| SAN LUIS OBISPO | 136.7 | 1.0 | 255,449 | 53.5 | 44.9 | 37.4 | 52.5 |
| SAN MATEO ¹ | 251.7 | 1.9 | 711,793 | 35.4 | 33.6 | 29.5 | 37.8 |
| SANTA BARBARA | 151.7 | 1.2 | 408,471 | 37.1 | 35.4 | 29.8 | 41.1 |
| SANTA CLARA ¹ | 424.7 | 3.3 | 1,717,059 | 24.7 | 31.2 | 28.2 | 34.2 |
| SANTA CRUZ | 92.0 | 0.7 | 259,164 | 35.5 | 40.5 | 32.2 | 48.9 |
| SHASTA ¹ | 132.3 | 1.0 | 172,130 | 76.9 | 57.5 | 47.6 | 67.5 |
| SIERRA | 2.0 | a | 3,524 | 56.8 * | 37.0 * | 0.0 | 88.9 |
| SISKIYOU | 36.7 | 0.3 | 44,628 | 82.2 | 57.0 | 38.3 | 75.6 |
| SOLANO | 150.0 | 1.2 | 411,498 | 36.5 | 40.8 | 34.2 | 47.4 |
| SONOMA | 220.0 | 1.7 | 470,723 | 46.7 | 41.5 | 35.9 | 47.0 |
| STANISLAUS ¹ | 204.0 | 1.6 | 477,919 | 42.7 | 51.0 | 43.9 | 58.0 |
| SUTTER ¹ | 51.0 | 0.4 | 82,696 | 61.7 | 64.4 | 46.7 | 82.1 |
| TEHAMA | 44.7 | 0.3 | 57,649 | 77.5 | 55.9 | 39.3 | 72.5 |
| TRINITY | 12.0 | 0.1 | 13,271 | 90.4 * | 61.7 * | 26.6 | 96.7 |
| TULARE ¹ | 153.3 | 1.2 | 383,164 | 40.0 | 53.4 | 44.9 | 61.9 |
| TUOLUMNE | 36.0 | 0.3 | 56,545 | 63.7 | 44.9 | 30.2 | 59.6 |
| VENTURA | 259.7 | 2.0 | 788,282 | 32.9 | 37.8 | 33.2 | 42.4 |
| YOLO ¹ | 83.7 | 0.6 | 180,193 | 46.4 | 62.7 | 49.2 | 76.2 |
| YUBA ¹ | 45.0 | 0.3 | 62,788 | 71.7 | 84.5 | 59.7 | 109.3 |

Note : Rates are per 100,000 population. ICD-10 codes J40-J47.

Year 2000 U.S. Standard Population is used for age-adjusted rates.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

a Represents a percentage of more than zero but less than 0.05.

¹ County age-adjusted rate is significantly different from the state age-adjusted rate.

Source: State of California, Department of Finance; 2002 Population: Population Projections by Age, Race/Ethnicity and Sex, May 2004.
State of California, Department of Health Services, Death Records.